

SEQUENCE LISTING

<110> University of South Florida

University of South Florida

<120> NOVEL SH2-CONTAINING INOSITOL 5'-PHOSPHATASE ISOFORM THAT
PARTNERS WITH THE GRB2 ADAPTER PROTEIN

<130> 1372.79.PR

<140> 60319583

<141> 2002-09-30

<160> 10

<170> PatentIn version 3.2

<210> 1

<211> 4125

<212> PRT

<213> Mouse

<223> Mouse s-SHIP sequence of the SHIP isoform

<400> 1

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      20      25      30
Cys Thr Cys Thr Gly Cys Thr Cys Cys Cys Ala Gly Gly Gly Ala Ala
      35      40      45
Gly Thr Cys Ala Thr Cys Ala Gly Gly Ala Cys Thr Cys Thr Gly Cys
      50      55      60
Cys Ala Thr Cys Cys Cys Thr Gly Gly Ala Gly Thr Cys Thr Cys Thr
      65      70      75      80
Gly Cys Ala Gly Ala Gly Gly Thr Thr Gly Thr Thr Thr Gly Ala Cys
      85      90      95
Cys Ala Ala Cys Ala Gly Cys Thr Cys Thr Cys Cys Cys Cys Ala Gly
      100     105     110
Gly Cys Cys Thr Thr Cys Gly Cys Cys Cys Ala Cys Gly Ala Cys Cys
      115     120     125
Thr Cys Ala Gly Gly Thr Gly Cys Cys Cys Gly Gly Ala Gly Ala Gly
      130     135     140
Gly Cys Cys Ala Gly Thr Cys Cys Cys Ala Thr Cys Ala Cys Cys Ala
      145     150     155     160
Thr Gly Gly Thr Thr Gly Cys Cys Ala Ala Ala Cys Thr Cys Ala Gly
      165     170     175
Cys Cys Ala Ala Thr Thr Gly Ala Cys Ala Ala Gly Thr Cys Thr Gly
      180     185     190
Cys Thr Gly Thr Cys Thr Thr Cys Cys Ala Thr Thr Gly Ala Ala Gly
      195     200     205
Ala Thr Ala Ala Gly Gly Thr Cys Ala Ala Gly Thr Cys Cys Thr Thr
      210     215     220
Gly Cys Thr Gly Cys Ala Cys Gly Ala Gly Gly Gly Cys Thr Cys Ala
      225     230     235     240
Gly Ala Ala Thr Cys Thr Ala Cys Cys Ala Ala Cys Ala Gly Gly Cys
      245     250     255
Gly Thr Thr Cys Cys Cys Thr Thr Ala Thr Cys Cys Cys Thr Cys Cys

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260	265	270	
Gly Gly Thr Cys Ala Cys Cys Thr Thr Thr Gly Ala Gly Gly Thr Gly			
275	280	285	
Ala Ala Gly Thr Cys Ala Gly Ala Gly Thr Cys Cys Cys Thr Gly Gly			
290	295	300	
Gly Cys Ala Thr Thr Cys Cys Thr Cys Ala Gly Ala Ala Ala Thr			
305	310	315	320
Gly Cys Ala Thr Cys Thr Cys Ala Ala Ala Gly Thr Gly Gly Ala Cys			
325	330	335	
Gly Thr Thr Gly Ala Gly Thr Cys Thr Gly Gly Gly Ala Ala Ala Cys			
340	345	350	
Thr Gly Ala Thr Cys Gly Thr Thr Ala Ala Gly Ala Ala Gly Thr Cys			
355	360	365	
Cys Ala Ala Gly Gly Ala Thr Gly Gly Thr Thr Cys Thr Gly Ala Gly			
370	375	380	
Gly Ala Cys Ala Ala Gly Thr Thr Cys Thr Ala Cys Ala Gly Cys Cys			
385	390	395	400
Ala Cys Ala Ala Ala Ala Ala Ala Thr Cys Cys Thr Gly Cys Ala			
405	410	415	
Gly Cys Thr Cys Ala Thr Thr Ala Ala Gly Thr Cys Cys Cys Ala Gly			
420	425	430	
Ala Ala Gly Thr Thr Thr Cys Thr Ala Ala Ala Cys Ala Ala Gly Thr			
435	440	445	
Thr Gly Gly Thr Gly Ala Thr Thr Thr Thr Gly Gly Thr Gly Gly Ala			
450	455	460	
Gly Ala Cys Gly Gly Ala Gly Ala Ala Gly Gly Ala Gly Ala Ala Ala			
465	470	475	480
Ala Thr Cys Cys Thr Gly Ala Gly Gly Ala Ala Gly Gly Ala Ala Thr			
485	490	495	
Ala Thr Gly Thr Thr Thr Thr Thr Gly Cys Thr Gly Ala Cys Thr Cys			
500	505	510	
Thr Ala Ala Gly Ala Ala Ala Ala Gly Ala Gly Ala Ala Gly Gly Cys			
515	520	525	
Thr Thr Cys Thr Gly Thr Cys Ala Ala Cys Thr Cys Cys Thr Gly Cys			
530	535	540	
Ala Gly Cys Ala Gly Ala Thr Gly Ala Ala Gly Ala Ala Cys Ala Ala			
545	550	555	560
Gly Cys Ala Thr Thr Cys Gly Gly Ala Gly Cys Ala Gly Cys Cys Ala			
565	570	575	
Gly Ala Gly Cys Cys Thr Gly Ala Cys Ala Thr Gly Ala Thr Cys Ala			
580	585	590	
Cys Cys Ala Thr Cys Thr Thr Cys Ala Thr Thr Gly Gly Cys Ala Cys			
595	600	605	
Thr Thr Gly Gly Ala Ala Cys Ala Thr Gly Gly Gly Thr Ala Ala Thr			
610	615	620	
Gly Cys Ala Cys Cys Cys Cys Cys Thr Cys Cys Cys Ala Ala Gly Ala			
625	630	635	640
Ala Gly Ala Thr Cys Ala Cys Gly Thr Cys Cys Thr Gly Gly Thr Thr			
645	650	655	
Thr Cys Thr Cys Thr Cys Cys Ala Ala Gly Gly Gly Gly Cys Ala Gly			

660 665 670
 Gly Gly Ala Ala Ala Gly Ala Cys Ala Cys Gly Gly Gly Ala Cys Gly
 675 680 685
 Ala Cys Thr Cys Thr Gly Cys Thr Gly Ala Cys Thr Ala Cys Ala Thr
 690 695 700
 Cys Cys Cys Cys Cys Ala Thr Gly Ala Cys Ala Thr Cys Thr Ala Thr
 705 710 715 720
 Gly Thr Gly Ala Thr Thr Gly Gly Cys Ala Cys Cys Cys Ala Gly Gly
 725 730 735
 Ala Gly Gly Ala Thr Cys Cys Cys Cys Thr Thr Gly Gly Ala Gly Ala
 740 745 750
 Gly Ala Ala Gly Gly Ala Gly Thr Gly Gly Cys Thr Gly Gly Ala Gly
 755 760 765
 Cys Thr Ala Cys Thr Cys Ala Gly Gly Cys Ala Cys Thr Cys Cys Cys
 770 775 780
 Thr Gly Cys Ala Ala Gly Ala Ala Gly Thr Cys Ala Cys Cys Ala Gly
 785 790 795 800
 Cys Ala Thr Gly Ala Cys Ala Thr Thr Thr Ala Ala Ala Cys Ala
 805 810 815
 Gly Thr Thr Gly Cys Cys Ala Thr Cys Cys Ala Cys Ala Cys Cys Cys
 820 825 830
 Thr Cys Thr Gly Gly Ala Ala Cys Ala Thr Thr Cys Gly Cys Ala Thr
 835 840 845
 Ala Gly Thr Gly Gly Thr Gly Cys Thr Thr Gly Cys Cys Ala Ala Gly
 850 855 860
 Cys Cys Ala Gly Ala Gly Cys Ala Thr Gly Ala Gly Ala Ala Thr Cys
 865 870 875 880
 Gly Gly Ala Thr Cys Ala Gly Cys Cys Ala Thr Ala Thr Cys Thr Gly
 885 890 895
 Cys Ala Cys Thr Gly Ala Cys Ala Ala Cys Gly Thr Gly Ala Ala Gly
 900 905 910
 Ala Cys Ala Gly Gly Cys Ala Thr Cys Gly Cys Cys Ala Ala Cys Ala
 915 920 925
 Cys Cys Cys Thr Gly Gly Gly Ala Ala Ala Cys Ala Ala Gly Gly Gly
 930 935 940
 Ala Gly Cys Ala Gly Thr Gly Gly Gly Ala Gly Thr Gly Thr Cys Cys
 945 950 955 960
 Thr Thr Cys Ala Thr Gly Thr Thr Cys Ala Ala Thr Gly Gly Ala Ala
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 Cys Cys Thr Cys Cys Thr Thr Gly Gly Gly Gly Thr Thr Cys Gly Thr
 980 985 990
 Cys Ala Ala Cys Ala Gly Cys Cys Ala Cys Thr Thr Gly Ala Cys Thr
 995 1000 1005
 Thr Cys Thr Gly Gly Ala Ala Gly Cys Gly Ala Ala Ala Ala Ala
 1010 1015 1020
 Ala Ala Gly Cys Thr Cys Ala Gly Gly Ala Gly Ala Ala Ala Thr
 1025 1030 1035
 Cys Ala Ala Ala Ala Cys Thr Ala Thr Ala Thr Gly Ala Ala Cys
 1040 1045 1050
 Ala Thr Cys Cys Thr Gly Cys Gly Gly Thr Thr Cys Cys Thr Gly

1055	1060	1065
Gly Cys Cys Cys Thr Gly Gly	Gly Ala Gly Ala Cys	Ala Ala Gly
1070	1075	1080
Ala Ala Gly Cys Thr Ala Ala	Gly Cys Cys Cys Ala	Thr Thr Thr
1085	1090	1095
Ala Ala Cys Ala Thr Cys Ala	Cys Cys Cys Ala Cys	Cys Gly Cys
1100	1105	1110
Thr Thr Cys Ala Cys Cys Cys	Ala Cys Cys Thr Cys	Thr Thr Cys
1115	1120	1125
Thr Gly Gly Cys Thr Thr Gly	Gly Gly Gly Ala Thr	Cys Thr Cys
1130	1135	1140
Ala Ala Cys Thr Ala Cys Cys	Gly Cys Gly Thr Gly	Gly Ala Gly
1145	1150	1155
Cys Thr Gly Cys Cys Cys Ala	Cys Thr Thr Gly Gly	Gly Ala Gly
1160	1165	1170
Gly Cys Ala Gly Ala Gly Gly	Cys Cys Ala Thr Cys	Ala Thr Cys
1175	1180	1185
Cys Ala Gly Ala Ala Gly Ala	Thr Cys Ala Ala Gly	Cys Ala Ala
1190	1195	1200
Cys Ala Gly Cys Ala Gly Thr	Ala Thr Thr Cys Ala	Gly Ala Cys
1205	1210	1215
Cys Thr Thr Cys Thr Gly Gly	Cys Cys Cys Ala Cys	Gly Ala Cys
1220	1225	1230
Cys Ala Ala Cys Thr Gly Cys	Thr Cys Cys Thr Gly	Gly Ala Gly
1235	1240	1245
Ala Gly Gly Ala Ala Gly Gly	Ala Cys Cys Ala Gly	Ala Ala Gly
1250	1255	1260
Gly Thr Cys Thr Thr Cys Cys	Thr Gly Cys Ala Cys	Thr Thr Thr
1265	1270	1275
Gly Ala Gly Gly Ala Gly Gly	Ala Ala Gly Ala Gly	Ala Thr Cys
1280	1285	1290
Ala Cys Cys Thr Thr Cys Gly	Cys Cys Cys Cys Cys	Ala Cys Cys
1295	1300	1305
Thr Ala Thr Cys Gly Ala Thr	Thr Thr Gly Ala Ala	Ala Gly Ala
1310	1315	1320
Cys Thr Gly Ala Cys Cys Cys	Gly Gly Gly Ala Cys	Ala Ala Gly
1325	1330	1335
Thr Ala Thr Gly Cys Ala Thr	Ala Cys Ala Cys Gly	Ala Ala Gly
1340	1345	1350
Cys Ala Gly Ala Ala Ala Gly	Cys Ala Ala Cys Ala	Gly Gly Gly
1355	1360	1365
Ala Thr Gly Ala Ala Gly Thr	Ala Cys Ala Ala Cys	Thr Thr Gly
1370	1375	1380
Cys Cys Gly Thr Cys Cys Thr	Gly Gly Thr Gly Cys	Gly Ala Cys
1385	1390	1395
Cys Gly Ala Gly Thr Cys Cys	Thr Cys Thr Gly Gly	Ala Ala Gly
1400	1405	1410
Thr Cys Thr Thr Ala Cys Cys	Cys Gly Cys Thr Gly	Gly Thr Gly
1415	1420	1425
Cys Ala Thr Gly Thr Gly Gly	Thr Cys Thr Gly Thr	Cys Ala Gly

1430	1435	1440
Thr Cys	Cys Thr Ala Thr Gly	Gly Cys Ala Gly Thr Ala Cys Cys
1445	1450	1455
Ala Gly	Thr Gly Ala Cys Ala	Thr Cys Ala Thr Gly Ala Cys Gly
1460	1465	1470
Ala Gly	Thr Gly Ala Cys Cys	Ala Cys Ala Gly Cys Cys Cys Thr
1475	1480	1485
Gly Thr	Cys Thr Thr Thr Gly	Cys Cys Ala Cys Gly Thr Thr Thr
1490	1495	1500
Gly Ala	Ala Gly Cys Gly Gly	Gly Ala Gly Thr Cys Ala Cys Ala
1505	1510	1515
Thr Cys	Thr Cys Ala Ala Thr	Thr Cys Gly Thr Cys Thr Cys Cys
1520	1525	1530
Ala Ala	Gly Ala Ala Thr Gly	Gly Thr Cys Cys Thr Gly Gly Cys
1535	1540	1545
Ala Cys	Thr Gly Thr Ala Gly	Ala Thr Ala Gly Cys Cys Ala Ala
1550	1555	1560
Gly Gly	Gly Cys Ala Gly Ala	Thr Cys Gly Ala Gly Thr Thr Thr
1565	1570	1575
Cys Thr	Thr Gly Cys Ala Thr	Gly Cys Thr Ala Cys Gly Cys Cys
1580	1585	1590
Ala Cys	Ala Cys Thr Gly Ala	Ala Gly Ala Cys Cys Ala Ala Gly
1595	1600	1605
Thr Cys	Cys Cys Ala Gly Ala	Cys Thr Ala Ala Gly Thr Thr Cys
1610	1615	1620
Thr Ala	Cys Thr Thr Gly Gly	Ala Gly Thr Thr Cys Cys Ala Cys
1625	1630	1635
Thr Cys	Ala Ala Gly Cys Thr	Gly Cys Thr Thr Ala Gly Ala Gly
1640	1645	1650
Ala Gly	Thr Thr Thr Thr Gly	Thr Cys Ala Ala Gly Ala Gly Thr
1655	1660	1665
Cys Ala	Gly Gly Ala Ala Gly	Gly Ala Gly Ala Gly Ala Ala Thr
1670	1675	1680
Gly Ala	Ala Gly Ala Gly Gly	Gly Ala Ala Gly Thr Gly Ala Ala
1685	1690	1695
Gly Gly	Ala Gly Ala Gly Cys	Thr Gly Gly Thr Gly Gly Thr Ala
1700	1705	1710
Cys Gly	Gly Thr Thr Thr Gly	Gly Ala Gly Ala Gly Ala Cys Thr
1715	1720	1725
Cys Thr	Thr Cys Cys Cys Ala	Ala Gly Cys Thr Ala Ala Ala Gly
1730	1735	1740
Cys Cys	Cys Ala Thr Thr Ala	Thr Cys Thr Cys Thr Gly Ala Cys
1745	1750	1755
Cys Cys	Cys Gly Ala Gly Thr	Ala Cys Thr Thr Ala Cys Thr Gly
1760	1765	1770
Gly Ala	Cys Cys Ala Gly Cys	Ala Thr Ala Thr Cys Cys Thr Gly
1775	1780	1785
Ala Thr	Cys Ala Gly Cys Ala	Thr Thr Ala Ala Ala Thr Cys Cys
1790	1795	1800
Thr Cys	Thr Gly Ala Cys Ala	Gly Thr Gly Ala Cys Gly Ala Gly

1805	1810	1815
Thr Cys	Cys Thr Ala Thr Gly	Gly Thr Gly Ala Ala Gly Gly Cys
1820	1825	1830
Thr Gly	Cys Ala Thr Thr Gly	Cys Cys Cys Thr Thr Cys Gly Cys
1835	1840	1845
Thr Thr	Gly Gly Ala Gly Ala	Cys Cys Ala Cys Ala Gly Ala Gly
1850	1855	1860
Gly Cys	Thr Cys Ala Gly Cys	Ala Thr Cys Cys Thr Ala Thr Cys
1865	1870	1875
Thr Ala	Cys Ala Cys Gly Cys	Cys Thr Cys Thr Cys Ala Cys Cys
1880	1885	1890
Cys Ala	Cys Cys Ala Thr Gly	Gly Gly Gly Ala Gly Ala Thr Gly
1895	1900	1905
Ala Cys	Thr Gly Gly Cys Cys	Ala Cys Thr Thr Cys Ala Gly Gly
1910	1915	1920
Gly Gly	Ala Gly Ala Gly Ala	Thr Thr Ala Ala Gly Cys Thr Gly
1925	1930	1935
Cys Ala	Gly Ala Cys Cys Thr	Cys Cys Cys Ala Gly Gly Gly Cys
1940	1945	1950
Ala Ala	Gly Ala Thr Gly Ala	Gly Gly Gly Ala Gly Ala Ala Gly
1955	1960	1965
Cys Thr	Cys Thr Ala Thr Gly	Ala Cys Thr Thr Thr Gly Thr Gly
1970	1975	1980
Ala Ala	Gly Ala Cys Ala Gly	Ala Gly Cys Gly Gly Gly Ala Thr
1985	1990	1995
Gly Ala	Ala Thr Cys Cys Ala	Gly Thr Gly Gly Ala Ala Thr Gly
2000	2005	2010
Ala Ala	Ala Thr Gly Cys Thr	Thr Gly Ala Ala Gly Ala Ala Cys
2015	2020	2025
Cys Thr	Cys Ala Cys Cys Ala	Gly Cys Cys Ala Thr Gly Ala Cys
2030	2035	2040
Cys Cys	Thr Ala Thr Gly Ala	Gly Gly Cys Ala Ala Thr Gly Gly
2045	2050	2055
Gly Ala	Gly Cys Cys Thr Thr	Cys Thr Gly Gly Cys Ala Gly Gly
2060	2065	2070
Gly Thr	Cys Cys Cys Thr Gly	Cys Ala Thr Gly Thr Gly Gly Thr
2075	2080	2085
Gly Thr	Cys Thr Cys Cys Ala	Gly Cys Cys Thr Cys Ala Ala Thr
2090	2095	2100
Gly Ala	Gly Ala Thr Gly Ala	Thr Cys Ala Ala Thr Cys Cys Ala
2105	2110	2115
Ala Ala	Cys Thr Ala Cys Ala	Thr Thr Gly Gly Thr Ala Thr Gly
2120	2125	2130
Gly Gly	Gly Cys Cys Thr Thr	Thr Thr Gly Gly Ala Cys Ala Gly
2135	2140	2145
Cys Cys	Cys Cys Thr Gly Cys	Ala Thr Gly Gly Gly Ala Ala Ala
2150	2155	2160
Thr Cys	Ala Ala Cys Cys Cys	Thr Gly Thr Cys Cys Cys Cys Ala
2165	2170	2175
Gly Ala	Thr Cys Ala Gly Cys	Ala Ala Cys Thr Cys Ala Cys Ala

2180	2185	2190
Gly Cys Thr Thr Gly Gly Ala	Gly Thr Thr Ala Thr	Gly Ala Cys
2195	2200	2205
Cys Ala Gly Cys Thr Ala Cys	Cys Cys Ala Ala Ala	Gly Ala Cys
2210	2215	2220
Thr Cys Cys Thr Cys Cys Cys	Thr Gly Gly Gly Gly	Cys Cys Thr
2225	2230	2235
Gly Gly Gly Ala Gly Gly Gly	Gly Gly Gly Ala Gly	Gly Gly Thr
2240	2245	2250
Cys Cys Thr Cys Cys Ala Ala	Cys Cys Cys Cys Thr	Cys Cys Cys
2255	2260	2265
Thr Cys Cys Cys Ala Ala Cys	Cys Ala Cys Cys Thr	Cys Thr Gly
2270	2275	2280
Thr Cys Gly Cys Cys Ala Ala	Ala Gly Ala Ala Gly	Thr Thr Thr
2285	2290	2295
Thr Cys Ala Thr Cys Thr Thr	Cys Cys Ala Cys Ala	Gly Cys Cys
2300	2305	2310
Ala Ala Cys Cys Gly Ala Gly	Gly Thr Cys Cys Cys	Thr Gly Cys
2315	2320	2325
Cys Cys Cys Ala Gly Gly Gly	Thr Gly Cys Ala Ala	Gly Ala Gly
2330	2335	2340
Gly Cys Ala Ala Gly Ala Cys	Cys Thr Gly Gly Gly	Gly Ala Thr
2345	2350	2355
Cys Thr Gly Gly Gly Ala Ala	Ala Gly Gly Thr Gly	Gly Ala Ala
2360	2365	2370
Gly Cys Thr Cys Thr Gly Cys	Thr Cys Cys Ala Gly	Gly Ala Gly
2375	2380	2385
Gly Ala Cys Cys Thr Gly Cys	Thr Gly Cys Thr Gly	Ala Cys Gly
2390	2395	2400
Ala Ala Gly Cys Cys Cys Gly	Ala Gly Ala Thr Gly	Thr Thr Thr
2405	2410	2415
Gly Ala Gly Ala Ala Cys Cys	Cys Ala Cys Thr Gly	Thr Ala Thr
2420	2425	2430
Gly Gly Ala Thr Cys Cys Gly	Thr Gly Ala Gly Thr	Thr Cys Cys
2435	2440	2445
Thr Thr Cys Cys Cys Thr Ala	Ala Gly Cys Thr Gly	Gly Thr Gly
2450	2455	2460
Cys Cys Cys Ala Gly Gly Ala	Ala Ala Gly Ala Gly	Cys Ala Gly
2465	2470	2475
Gly Ala Gly Thr Cys Thr Cys	Cys Cys Ala Ala Gly	Ala Thr Gly
2480	2485	2490
Cys Thr Gly Cys Gly Gly Ala	Ala Gly Gly Ala Gly	Cys Cys Cys
2495	2500	2505
Cys Cys Gly Cys Cys Cys Thr	Gly Thr Cys Cys Ala	Gly Ala Cys
2510	2515	2520
Cys Cys Ala Gly Gly Ala Ala	Thr Cys Thr Cys Ala	Thr Cys Ala
2525	2530	2535
Cys Cys Cys Ala Gly Cys Ala	Thr Cys Gly Thr Gly	Cys Thr Cys
2540	2545	2550
Cys Cys Cys Ala Ala Ala Gly	Cys Cys Cys Ala Ala	Gly Ala Gly

2555	2560	2565
Gly Thr Gly Gly Ala Gly Ala	Gly Thr Gly Thr Cys Ala Ala Gly	
2570	2575	2580
Gly Gly Gly Ala Cys Ala Ala	Gly Cys Ala Ala Ala Cys Ala Gly	
2585	2590	2595
Gly Cys Cys Cys Cys Thr Gly	Thr Gly Cys Cys Thr Gly Thr Cys	
2600	2605	2610
Cys Thr Thr Gly Gly Cys Cys	Cys Cys Ala Cys Ala Cys Cys Cys	
2615	2620	2625
Cys Gly Gly Ala Thr Cys Cys	Gly Cys Thr Cys Cys Thr Thr Thr	
2630	2635	2640
Ala Cys Cys Thr Gly Thr Thr	Cys Thr Thr Cys Thr Thr Cys Thr	
2645	2650	2655
Gly Cys Thr Gly Ala Gly Gly	Gly Cys Ala Gly Ala Ala Thr Gly	
2660	2665	2670
Ala Cys Cys Ala Gly Thr Gly	Gly Gly Gly Ala Cys Ala Ala Gly	
2675	2680	2685
Ala Gly Cys Cys Ala Ala Gly	Gly Gly Ala Ala Gly Cys Cys Cys	
2690	2695	2700
Ala Ala Gly Gly Cys Cys Thr	Cys Ala Gly Cys Cys Ala Gly Thr	
2705	2710	2715
Thr Cys Cys Cys Ala Ala Gly	Cys Cys Cys Cys Ala Gly Thr Gly	
2720	2725	2730
Cys Cys Ala Gly Thr Cys Ala	Ala Gly Ala Gly Gly Cys Cys Thr	
2735	2740	2745
Gly Thr Cys Ala Ala Gly Cys	Cys Thr Thr Cys Cys Ala Gly Gly	
2750	2755	2760
Thr Cys Ala Gly Ala Ala Ala	Thr Gly Ala Gly Cys Cys Ala Gly	
2765	2770	2775
Cys Ala Gly Ala Cys Ala Ala	Cys Ala Cys Cys Cys Ala Thr Cys	
2780	2785	2790
Cys Cys Ala Gly Cys Thr Cys	Cys Ala Cys Gly Gly Cys Cys Ala	
2795	2800	2805
Cys Cys Cys Cys Thr Gly Cys	Cys Ala Gly Thr Cys Ala Ala Gly	
2810	2815	2820
Ala Gly Thr Cys Cys Thr Gly	Cys Thr Gly Thr Cys Cys Thr Gly	
2825	2830	2835
Cys Ala Gly Cys Thr Gly Cys	Ala Ala Cys Ala Thr Thr Cys Cys	
2840	2845	2850
Ala Ala Ala Gly Gly Cys Ala	Gly Ala Gly Ala Cys Thr Ala Cys	
2855	2860	2865
Cys Gly Thr Gly Ala Cys Ala	Ala Cys Ala Cys Ala Gly Ala Ala	
2870	2875	2880
Cys Thr Cys Cys Cys Cys Cys	Ala Cys Cys Ala Thr Gly Gly Cys	
2885	2890	2895
Ala Ala Gly Cys Ala Cys Cys	Gly Cys Cys Ala Ala Gly Ala Gly	
2900	2905	2910
Gly Ala Gly Gly Gly Gly Cys	Thr Gly Cys Thr Thr Gly Gly Cys	
2915	2920	2925
Ala Gly Gly Ala Cys Thr Gly	Cys Cys Ala Thr Gly Cys Ala Gly	

2930	2935	2940
Thr Gly	Ala Gly Cys Thr Gly	Cys Thr Gly Gly Thr Gly Ala Thr
2945	2950	2955
Cys Gly	Gly Ala Gly Cys Cys	Thr Gly Gly Ala Gly Gly Ala Ala
2960	2965	2970
Cys Ala	Gly Cys Ala Cys Ala	Ala Ala Gly Cys Ala Gly Ala Cys
2975	2980	2985
Cys Thr	Gly Cys Gly Cys Cys	Thr Cys Thr Cys Thr Cys Ala Gly
2990	2995	3000
Gly Ala	Thr Gly Cys Cys Thr	Cys Thr Cys Thr Cys Ala Gly Gly
3005	3010	3015
Ala Thr	Gly Cys Cys Thr Cys	Thr Thr Gly Gly Ala Gly Gly Ala
3020	3025	3030
Cys Cys	Thr Cys Cys Thr Gly	Cys Thr Ala Gly Cys Thr Cys Thr
3035	3040	3045
Thr Cys	Thr Thr Gly Cys Cys	Thr Ala Gly Cys Thr Thr Cys Ala
3050	3055	3060
Ala Gly	Thr Cys Cys Cys Ala	Gly Gly Cys Thr Gly Thr Gly Thr
3065	3070	3075
Ala Thr	Thr Thr Thr Thr Thr	Thr Thr Cys Ala Gly Gly Ala Ala
3080	3085	3090
Ala Cys	Gly Gly Cys Cys Thr	Cys Ala Cys Thr Thr Cys Thr Cys
3095	3100	3105
Thr Gly	Thr Gly Gly Thr Cys	Cys Ala Ala Gly Ala Ala Gly Thr
3110	3115	3120
Gly Thr	Gly Cys Thr Gly Cys	Thr Gly Gly Cys Thr Gly Cys Cys
3125	3130	3135
Ala Cys	Ala Cys Thr Gly Thr	Gly Cys Gly Gly Cys Ala Gly Ala
3140	3145	3150
Thr Gly	Cys Thr Ala Ala Ala	Gly Cys Thr Gly Gly Ala Thr Gly
3155	3160	3165
Ala Cys	Ala Ala Ala Cys Gly	Cys Ala Cys Gly Cys Cys Ala Thr
3170	3175	3180
Ala Cys	Ala Gly Ala Cys Ala	Gly Cys Ala Gly Ala Cys Ala Gly
3185	3190	3195
Cys Gly	Gly Cys Ala Cys Thr	Gly Gly Gly Thr Cys Thr Cys Ala
3200	3205	3210
Gly Ala	Ala Cys Thr Thr Gly	Gly Ala Thr Thr Cys Cys Thr Gly
3215	3220	3225
Gly Gly	Cys Cys Thr Thr Cys	Thr Thr Cys Cys Ala Gly Thr Cys
3230	3235	3240
Gly Cys	Cys Gly Thr Thr Thr	Thr Ala Ala Ala Gly Ala Ala Ala
3245	3250	3255
Gly Gly	Ala Ala Cys Thr Ala	Ala Cys Gly Gly Ala Gly Cys Thr
3260	3265	3270
Gly Cys	Thr Cys Ala Thr Cys	Cys Gly Ala Gly Gly Gly Thr Gly
3275	3280	3285
Ala Ala	Gly Ala Thr Ala Thr	Ala Ala Ala Thr Ala Ala Thr Ala
3290	3295	3300
Ala Thr	Ala Thr Thr Ala Thr	Thr Ala Ala Thr Ala Ala Thr Ala

3305	3310	3315
Ala Thr	Ala Ala Cys Ala Gly	Thr Cys Ala Gly Gly Thr Gly Cys
3320	3325	3330
Cys Ala	Thr Gly Thr Gly Cys	Thr Gly Thr Gly Thr Thr Ala Ala
3335	3340	3345
Gly Thr	Gly Cys Thr Thr Thr	Ala Thr Gly Ala Ala Cys Ala Thr
3350	3355	3360
Thr Thr	Gly Thr Cys Gly Gly	Gly Cys Thr Gly Gly Cys Cys Thr
3365	3370	3375
Cys Cys	Ala Gly Thr Gly Cys	Thr Gly Ala Gly Gly Thr Gly Cys
3380	3385	3390
Cys Ala	Gly Thr Cys Ala Gly	Cys Cys Thr Gly Ala Ala Cys Cys
3395	3400	3405
Cys Thr	Ala Thr Gly Cys Cys	Cys Ala Gly Gly Cys Cys Cys Ala
3410	3415	3420
Cys Thr	Ala Ala Thr Cys Cys	Cys Ala Ala Ala Thr Gly Gly Thr
3425	3430	3435
Gly Gly	Gly Thr Cys Cys Thr	Gly Ala Gly Ala Thr Gly Thr Thr
3440	3445	3450
Thr Thr	Thr Ala Ala Ala Ala	Ala Gly Cys Ala Thr Thr Ala Ala
3455	3460	3465
Ala Gly	Ala Ala Ala Ala Cys	Cys Ala Thr Cys Gly Gly Thr Cys
3470	3475	3480
Thr Cys	Thr Thr Ala Gly Ala	Gly Cys Thr Ala Ala Cys Cys Gly
3485	3490	3495
Gly Cys	Cys Gly Gly Gly Cys	Thr Cys Thr Ala Cys Thr Gly Cys
3500	3505	3510
Ala Gly	Gly Gly Ala Cys Cys	Cys Gly Ala Ala Cys Ala Gly Thr
3515	3520	3525
Cys Thr	Gly Cys Ala Thr Gly	Gly Cys Thr Ala Ala Gly Thr Gly
3530	3535	3540
Gly Cys	Ala Cys Ala Ala Gly	Gly Ala Gly Cys Cys Thr Gly Gly
3545	3550	3555
Cys Cys	Cys Thr Gly Thr Cys	Cys Ala Gly Cys Thr Thr Cys Ala
3560	3565	3570
Gly Ala	Gly Ala Thr Cys Cys	Ala Ala Gly Cys Thr Gly Cys Thr
3575	3580	3585
Thr Thr	Thr Thr Gly Cys Thr	Gly Gly Gly Gly Thr Thr Cys Thr
3590	3595	3600
Gly Thr	Cys Ala Cys Ala Gly	Gly Cys Cys Thr Gly Ala Thr Cys
3605	3610	3615
Cys Thr	Cys Thr Thr Gly Gly	Thr Thr Thr Thr Thr Ala Thr Gly
3620	3625	3630
Gly Gly	Gly Thr Thr Thr Cys	Ala Ala Gly Thr Cys Thr Gly Cys
3635	3640	3645
Cys Ala	Gly Ala Gly Thr Cys	Ala Gly Ala Ala Ala Thr Cys Ala
3650	3655	3660
Gly Cys	Thr Cys Thr Ala Ala	Cys Thr Cys Gly Cys Cys Ala Gly
3665	3670	3675
Thr Gly	Ala Ala Gly Ala Gly	Ala Thr Cys Thr Gly Gly Cys Cys

3680	3685	3690
Thr Thr	Ala Ala Cys Thr Thr	Ala Ala Gly Cys Cys Ala Gly Cys
3695	3700	3705
Cys Ala	Cys Gly Thr Cys Ala	Gly Gly Cys Cys Cys Cys Thr Gly
3710	3715	3720
Cys Thr	Gly Ala Gly Cys Cys	Thr Ala Thr Gly Gly Ala Cys Cys
3725	3730	3735
Ala Ala	Thr Ala Ala Ala Thr	Ala Cys Thr Cys Cys Cys Cys Gly
3740	3745	3750
Thr Gly	Cys Cys Ala Cys Thr	Gly Gly Ala Gly Gly Thr Gly Gly
3755	3760	3765
Gly Cys	Ala Gly Cys Thr Ala	Thr Cys Ala Cys Cys Ala Thr Ala
3770	3775	3780
Cys Cys	Cys Thr Gly Ala Gly	Thr Thr Gly Gly Gly Cys Cys Ala
3785	3790	3795
Ala Gly	Cys Cys Cys Ala Cys	Cys Cys Cys Ala Cys Cys Cys Cys
3800	3805	3810
Thr Ala	Cys Cys Cys Thr Gly	Cys Ala Ala Cys Ala Thr Thr Thr
3815	3820	3825
Cys Thr	Gly Ala Thr Gly Thr	Trp Cys Thr Gly Ala Gly Gly Ala
3830	3835	3840
Ala Gly	Ala Gly Thr Cys Thr	Cys Cys Ala Cys Cys Ala Thr Ala
3845	3850	3855
Gly Thr	Cys Cys Cys Cys Ala	Ala Gly Gly Gly Cys Thr Gly Ala
3860	3865	3870
Gly Thr	Thr Cys Thr Cys Cys	Ala Gly Cys Cys Thr Gly Cys Thr
3875	3880	3885
Ala Thr	Cys Ala Gly Gly Gly	Ala Ala Gly Gly Thr Gly Ala Gly
3890	3895	3900
Cys Ala	Thr Thr Gly Gly Thr	Cys Cys Cys Ala Gly Gly Cys Thr
3905	3910	3915
Cys Thr	Cys Ala Ala Ala Ala	Thr Ala Gly Thr Gly Cys Ala Gly
3920	3925	3930
Cys Cys	Thr Cys Thr Thr Cys	Thr Thr Cys Cys Cys Ala Ala Gly
3935	3940	3945
Cys Thr	Cys Thr Gly Gly Gly	Gly Thr Gly Cys Ala Cys Cys Cys
3950	3955	3960
Thr Gly	Thr Gly Thr Cys Cys	Thr Thr Gly Gly Thr Thr Ala Cys
3965	3970	3975
Cys Ala	Gly Gly Ala Gly Ala	Cys Thr Ala Gly Gly Gly Thr Thr
3980	3985	3990
Gly Thr	Gly Ala Thr Ala Thr	Cys Thr Thr Thr Thr Cys Thr Thr
3995	4000	4005
Gly Thr	Cys Thr Thr Gly Cys	Thr Thr Thr Thr Thr Gly Ala Thr
4010	4015	4020
Ala Thr	Ala Thr Cys Ala Gly	Gly Ala Thr Thr Ala Ala Thr Gly
4025	4030	4035
Thr Ala	Gly Gly Ala Ala Ala	Cys Cys Ala Gly Ala Cys Cys Thr
4040	4045	4050
Ala Gly	Ala Thr Thr Ala Thr	Thr Cys Ala Gly Gly Ala Gly Ala

4055 4060 4065
 Gly Thr Ala Gly Gly Thr Ala Thr Ala Thr Cys Cys Cys Cys Thr
 4070 4075 4080
 Gly Thr Gly Thr Thr Thr Cys Cys Cys Ala Gly Thr Cys Thr Gly
 4085 4090 4095
 Ala Gly Thr Gly Ala Cys Cys Ala Ala Thr Ala Ala Ala Ala Thr
 4100 4105 4110
 Thr Gly Thr Gly Cys Cys Thr Thr Thr Cys Thr Ala
 4115 4120 4125
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 <400> 2
 Gly Thr Thr Cys Cys Cys Ala Cys Thr Ala Gly Thr Thr Gly Thr Thr
 1 5 10 15
 Gly Ala Ala Cys Thr Thr Thr Ala Cys Cys Thr Thr Gly Ala Ala Cys
 20 25 30
 Cys Thr Cys Thr Gly Cys Thr Cys Cys Cys Ala Gly Gly Gly Ala Ala
 35 40 45
 Gly Thr Cys Ala Thr Cys Ala Gly Gly Ala Cys Thr Cys Thr Gly Cys
 50 55 60
 Cys Ala Thr Cys Cys Cys Thr Gly Gly Ala Gly Thr Cys Thr Cys Thr
 65 70 75 80
 Gly Cys Ala Gly Ala Gly Gly Thr Thr Gly Thr Thr Thr Gly Ala Cys
 85 90 95
 Cys Ala Ala Cys Ala Gly Cys Thr Cys Thr Cys Cys Cys Cys Ala Gly
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 Gly Cys Cys Thr Thr Cys Gly Cys Cys Cys Ala Cys Gly Ala Cys Cys
 115 120 125
 Thr Cys Ala Gly Gly Thr Gly Cys Cys Cys Gly Gly Ala Gly Ala Gly
 130 135 140
 Gly Cys Cys Ala Gly Thr Cys Cys Cys Ala Thr Cys Ala Cys Cys Ala
 145 150 155 160
 Thr Gly Gly Thr Thr Gly Cys Cys Ala Ala Ala Cys Thr Cys Ala Gly
 165 170 175
 Cys Cys Ala Ala Thr Thr Gly Ala Cys Ala Ala Gly Thr Cys Thr Gly
 180 185 190
 Cys Thr Gly Thr Cys Thr Thr Cys Cys Ala Thr Thr Gly Ala Ala Gly
 195 200 205
 Ala Thr Ala Ala Gly Gly Thr Cys Ala Ala Gly Thr Cys Cys Thr Thr
 210 215 220
 Gly Cys Thr Gly Cys Ala Cys Gly Ala Gly Gly Gly Cys Thr Cys Ala
 225 230 235 240
 Gly Ala Ala Thr Cys Thr Ala Cys Cys Ala Ala Cys Ala Gly Gly Cys
 245 250 255
 Gly Thr Thr Cys Cys Cys Thr Thr Ala Thr Cys Cys Cys Thr Cys Cys
 260 265 270
 Gly Gly Thr Cys Ala Cys Cys Thr Thr Thr Gly Ala Gly Gly Thr Gly

275 280 285
 Ala Ala Gly Thr Cys Ala Gly Ala Gly Thr Cys Cys Cys Thr Gly Gly
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 Gly Cys Ala Thr Thr Cys Cys Thr Cys Ala Gly Ala Ala Ala Thr
 305 310 315 320
 Gly Cys Ala Thr Cys Thr Cys Ala Ala Ala Gly Thr Gly Gly Ala Cys
 325 330 335
 Gly Thr Thr Gly Ala Gly Thr Cys Thr Gly Gly Ala Ala Ala Cys
 340 345 350
 Thr Gly Ala Thr Cys Gly Thr Thr Ala Ala Gly Ala Ala Gly Thr Cys
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 Cys Ala Ala Gly Gly Ala Thr Gly Gly Thr Thr Cys Thr Gly Ala Gly
 370 375 380
 Gly Ala Cys Ala Ala Gly Thr Thr Cys Thr Ala Cys Ala Gly Cys Cys
 385 390 395 400
 Ala Cys Ala Ala Ala Ala Ala Ala Ala Thr Cys Cys Thr Gly Cys Ala
 405 410 415
 Gly Cys Thr Cys Ala Thr Thr Ala Ala Gly Thr Cys Cys Cys Ala Gly
 420 425 430
 Ala Ala Gly Thr Thr Thr Cys Thr Ala Ala Ala Cys Ala Ala Gly Thr
 435 440 445
 Thr Gly Gly Thr Gly Ala Thr Thr Thr Thr Gly Gly Thr Gly Gly Ala
 450 455 460
 Gly Ala Cys Gly Gly Ala Gly Ala Ala Gly Gly Ala Gly Ala Ala Ala
 465 470 475 480
 Ala Thr Cys Cys Thr Gly Ala Gly Gly Ala Ala Gly Gly Ala Ala Thr
 485 490 495
 Ala Thr Gly Thr Thr Thr Thr Thr Gly Cys Thr Gly Ala Cys Thr Cys
 500 505 510
 Thr Ala Ala Gly Ala Ala Ala Ala Gly Ala Gly Ala Ala Gly Gly Cys
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 545 550 555 560
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 565 570 575
 Gly Ala Gly Cys Cys Thr Gly Ala Cys Ala Thr Gly Ala Thr Cys Ala
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 Cys Cys Ala Thr Cys Thr Thr Cys Ala Thr Thr Gly Gly Cys Ala Cys
 595 600 605
 Thr Thr Gly Gly Ala Ala Cys Ala Thr Gly Gly Gly Thr Ala Ala Thr
 610 615 620
 Gly Cys Ala Cys Cys Cys Cys Cys Thr Cys Cys Cys Ala Ala Gly Ala
 625 630 635 640
 Ala Gly Ala Thr Cys Ala Cys Gly Thr Cys Cys Thr Gly Gly Thr Thr
 645 650 655
 Thr Cys Thr Cys Thr Cys Cys Ala Ala Gly Gly Gly Cys Ala Gly
 660 665 670
 Gly Gly Ala Ala Ala Gly Ala Cys Ala Cys Gly Gly Ala Cys Gly

675 680 685
 Ala Cys Thr Cys Thr Gly Cys Thr Gly Ala Cys Thr Ala Cys Ala Thr
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 Cys Cys Cys Cys Cys Ala Thr Gly Ala Cys Ala Thr Cys Thr Ala Thr
 705 710 715 720
 Gly Thr Gly Ala Thr Thr Gly Gly Cys Ala Cys Cys Cys Ala Gly Gly
 725 730 735
 Ala Gly Gly Ala Thr Cys Cys Cys Cys Thr Thr Gly Gly Ala Gly Ala
 740 745 750
 Gly Ala Ala Gly Gly Ala Gly Thr Gly Gly Cys Thr Gly Gly Ala Gly
 755 760 765
 Cys Thr Ala Cys Thr Cys Ala Gly Gly Cys Ala Cys Thr Cys Cys Cys
 770 775 780
 Thr Gly Cys Ala Ala Gly Ala Ala Gly Thr Cys Ala Cys Cys Ala Gly
 785 790 795 800
 Cys Ala Thr Gly Ala Cys Ala Thr Thr Thr Ala Ala Ala Cys Ala
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 Gly Thr Thr Gly Cys Cys Ala Thr Cys Cys Ala Cys Ala Cys Cys Cys
 820 825 830
 Thr Cys Thr Gly Gly Ala Ala Cys Ala Thr Thr Cys Gly Cys Ala Thr
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 850 855 860
 Cys Cys Ala Gly Ala Gly Cys Ala Thr Gly Ala Gly Ala Ala Thr Cys
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 Gly Gly Ala Thr Cys Ala Gly Cys Cys Ala Thr Ala Thr Cys Thr Gly
 885 890 895
 Cys Ala Cys Thr Gly Ala Cys Ala Ala Cys Gly Thr Gly Ala Ala Gly
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 Ala Cys Ala Gly Gly Cys Ala Thr Cys Gly Cys Cys Ala Ala Cys Ala
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 Cys Cys Cys Thr Gly Gly Gly Ala Ala Ala Cys Ala Ala Gly Gly Gly
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 Thr Thr Cys Ala Thr Gly Thr Thr Cys Ala Ala Thr Gly Gly Ala Ala
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 980 985 990
 Cys Ala Ala Cys Ala Gly Cys Cys Ala Cys Thr Thr Gly Ala Cys Thr
 995 1000 1005
 Thr Cys Thr Gly Gly Ala Ala Gly Cys Gly Ala Ala Ala Ala Ala
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 1025 1030 1035
 Cys Ala Ala Ala Ala Cys Thr Ala Thr Ala Thr Gly Ala Ala Cys
 1040 1045 1050
 Ala Thr Cys Cys Thr Gly Cys Gly Gly Thr Thr Cys Cys Thr Gly
 1055 1060 1065
 Gly Cys Cys Cys Thr Gly Gly Gly Ala Gly Ala Cys Ala Ala Gly

1070	1075	1080
Ala Ala Gly Cys Thr Ala Ala	Gly Cys Cys Cys Ala	Thr Thr Thr
1085	1090	1095
Ala Ala Cys Ala Thr Cys Ala	Cys Cys Cys Ala Cys	Cys Gly Cys
1100	1105	1110
Thr Thr Cys Ala Cys Cys Cys	Ala Cys Cys Thr Cys	Thr Thr Cys
1115	1120	1125
Thr Gly Gly Cys Thr Thr Gly	Gly Gly Gly Ala Thr	Cys Thr Cys
1130	1135	1140
Ala Ala Cys Thr Ala Cys Cys	Gly Cys Gly Thr Gly	Gly Ala Gly
1145	1150	1155
Cys Thr Gly Cys Cys Cys Ala	Cys Thr Thr Gly Gly	Gly Ala Gly
1160	1165	1170
Gly Cys Ala Gly Ala Gly Gly	Cys Cys Ala Thr Cys	Ala Thr Cys
1175	1180	1185
Cys Ala Gly Ala Ala Gly Ala	Thr Cys Ala Ala Gly	Cys Ala Ala
1190	1195	1200
Cys Ala Gly Cys Ala Gly Thr	Ala Thr Thr Cys Ala	Gly Ala Cys
1205	1210	1215
Cys Thr Thr Cys Thr Gly Gly	Cys Cys Cys Ala Cys	Gly Ala Cys
1220	1225	1230
Cys Ala Ala Cys Thr Gly Cys	Thr Cys Cys Thr Gly	Gly Ala Gly
1235	1240	1245
Ala Gly Gly Ala Ala Gly Gly	Ala Cys Cys Ala Gly	Ala Ala Gly
1250	1255	1260
Gly Thr Cys Thr Thr Cys Cys	Thr Gly Cys Ala Cys	Thr Thr Thr
1265	1270	1275
Gly Ala Gly Gly Ala Gly Gly	Ala Ala Gly Ala Gly	Ala Thr Cys
1280	1285	1290
Ala Cys Cys Thr Thr Cys Gly	Cys Cys Cys Cys Cys	Ala Cys Cys
1295	1300	1305
Thr Ala Thr Cys Gly Ala Thr	Thr Thr Gly Ala Ala	Ala Gly Ala
1310	1315	1320
Cys Thr Gly Ala Cys Cys Cys	Gly Gly Gly Ala Cys	Ala Ala Gly
1325	1330	1335
Thr Ala Thr Gly Cys Ala Thr	Ala Cys Ala Cys Gly	Ala Ala Gly
1340	1345	1350
Cys Ala Gly Ala Ala Ala Gly	Cys Ala Ala Cys Ala	Gly Gly Gly
1355	1360	1365
Ala Thr Gly Ala Ala Gly Thr	Ala Cys Ala Ala Cys	Thr Thr Gly
1370	1375	1380
Cys Cys Gly Thr Cys Cys Thr	Gly Gly Thr Gly Cys	Gly Ala Cys
1385	1390	1395
Cys Gly Ala Gly Thr Cys Cys	Thr Cys Thr Gly Gly	Ala Ala Gly
1400	1405	1410
Thr Cys Thr Thr Ala Cys Cys	Cys Gly Cys Thr Gly	Gly Thr Gly
1415	1420	1425
Cys Ala Thr Gly Thr Gly Gly	Thr Cys Thr Gly Thr	Cys Ala Gly
1430	1435	1440
Thr Cys Cys Thr Ala Thr Gly	Gly Cys Ala Gly Thr	Ala Cys Cys

1445	1450	1455
Ala Gly Thr Gly Ala Cys Ala	Thr Cys Ala Thr Gly	Ala Cys Gly
1460	1465	1470
Ala Gly Thr Gly Ala Cys Cys	Ala Cys Ala Gly Cys	Cys Cys Thr
1475	1480	1485
Gly Thr Cys Thr Thr Thr Gly	Cys Cys Ala Cys Gly	Thr Thr Thr
1490	1495	1500
Gly Ala Ala Gly Cys Gly Gly	Gly Ala Gly Thr Cys	Ala Cys Ala
1505	1510	1515
Thr Cys Thr Cys Ala Ala Thr	Thr Cys Gly Thr Cys	Thr Cys Cys
1520	1525	1530
Ala Ala Gly Ala Ala Thr Gly	Gly Thr Cys Cys Thr	Gly Gly Cys
1535	1540	1545
Ala Cys Thr Gly Thr Ala Gly	Ala Thr Ala Gly Cys	Cys Ala Ala
1550	1555	1560
Gly Gly Gly Cys Ala Gly Ala	Thr Cys Gly Ala Gly	Thr Thr Thr
1565	1570	1575
Cys Thr Thr Gly Cys Ala Thr	Gly Cys Thr Ala Cys	Gly Cys Cys
1580	1585	1590
Ala Cys Ala Cys Thr Gly Ala	Ala Gly Ala Cys Cys	Ala Ala Gly
1595	1600	1605
Thr Cys Cys Cys Ala Gly Ala	Cys Thr Ala Ala Gly	Thr Thr Cys
1610	1615	1620
Thr Ala Cys Thr Thr Gly Gly	Ala Gly Thr Thr Cys	Cys Ala Cys
1625	1630	1635
Thr Cys Ala Ala Gly Cys Thr	Gly Cys Thr Thr Ala	Gly Ala Gly
1640	1645	1650
Ala Gly Thr Thr Thr Thr Gly	Thr Cys Ala Ala Gly	Ala Gly Thr
1655	1660	1665
Cys Ala Gly Gly Ala Ala Gly	Gly Ala Gly Ala Gly	Ala Ala Thr
1670	1675	1680
Gly Ala Ala Gly Ala Gly Gly	Gly Ala Ala Gly Thr	Gly Ala Ala
1685	1690	1695
Gly Gly Ala Gly Ala Gly Cys	Thr Gly Gly Thr Gly	Gly Thr Ala
1700	1705	1710
Cys Gly Gly Thr Thr Thr Gly	Gly Ala Gly Ala Gly	Ala Cys Thr
1715	1720	1725
Cys Thr Thr Cys Cys Cys Ala	Ala Gly Cys Thr Ala	Ala Ala Gly
1730	1735	1740
Cys Cys Cys Ala Thr Thr Ala	Thr Cys Thr Cys Thr	Gly Ala Cys
1745	1750	1755
Cys Cys Cys Gly Ala Gly Thr	Ala Cys Thr Thr Ala	Cys Thr Gly
1760	1765	1770
Gly Ala Cys Cys Ala Gly Cys	Ala Thr Ala Thr Cys	Cys Thr Gly
1775	1780	1785
Ala Thr Cys Ala Gly Cys Ala	Thr Thr Ala Ala Ala	Thr Cys Cys
1790	1795	1800
Thr Cys Thr Gly Ala Cys Ala	Gly Thr Gly Ala Cys	Gly Ala Gly
1805	1810	1815
Thr Cys Cys Thr Ala Thr Gly	Gly Thr Gly Ala Ala	Gly Gly Cys

1820	1825	1830
Thr Gly	Cys Ala Thr Thr Gly	Cys Cys Cys Thr Thr Cys Gly Cys
1835	1840	1845
Thr Thr	Gly Gly Ala Gly Ala	Cys Cys Ala Cys Ala Gly Ala Gly
1850	1855	1860
Gly Cys	Thr Cys Ala Gly Cys	Ala Thr Cys Cys Thr Ala Thr Cys
1865	1870	1875
Thr Ala	Cys Ala Cys Gly Cys	Cys Thr Cys Thr Cys Ala Cys Cys
1880	1885	1890
Cys Ala	Cys Cys Ala Thr Gly	Gly Gly Gly Ala Gly Ala Thr Gly
1895	1900	1905
Ala Cys	Thr Gly Gly Cys Cys	Ala Cys Thr Thr Cys Ala Gly Gly
1910	1915	1920
Gly Gly	Ala Gly Ala Gly Ala	Thr Thr Ala Ala Gly Cys Thr Gly
1925	1930	1935
Cys Ala	Gly Ala Cys Cys Thr	Cys Cys Cys Ala Gly Gly Gly Cys
1940	1945	1950
Ala Ala	Gly Ala Thr Gly Ala	Gly Gly Gly Ala Gly Ala Ala Gly
1955	1960	1965
Cys Thr	Cys Thr Ala Thr Gly	Ala Cys Thr Thr Thr Gly Thr Gly
1970	1975	1980
Ala Ala	Gly Ala Cys Ala Gly	Ala Gly Cys Gly Gly Gly Ala Thr
1985	1990	1995
Gly Ala	Ala Thr Cys Cys Ala	Gly Thr Gly Gly Ala Ala Thr Gly
2000	2005	2010
Ala Ala	Ala Thr Gly Cys Thr	Thr Gly Ala Ala Gly Ala Ala Cys
2015	2020	2025
Cys Thr	Cys Ala Cys Cys Ala	Gly Cys Cys Ala Thr Gly Ala Cys
2030	2035	2040
Cys Cys	Thr Ala Thr Gly Ala	Gly Gly Cys Ala Ala Thr Gly Gly
2045	2050	2055
Gly Ala	Gly Cys Cys Thr Thr	Cys Thr Gly Gly Cys Ala Gly Gly
2060	2065	2070
Gly Thr	Cys Cys Cys Thr Gly	Cys Ala Thr Gly Thr Gly Gly Thr
2075	2080	2085
Gly Thr	Cys Thr Cys Cys Ala	Gly Cys Cys Thr Cys Ala Ala Thr
2090	2095	2100
Gly Ala	Gly Ala Thr Gly Ala	Thr Cys Ala Ala Thr Cys Cys Ala
2105	2110	2115
Ala Ala	Cys Thr Ala Cys Ala	Thr Thr Gly Cys Cys Ala Ala Cys
2120	2125	2130
Cys Gly	Ala Gly Gly Thr Cys	Cys Cys Thr Gly Cys Cys Cys Cys
2135	2140	2145
Ala Gly	Gly Gly Thr Gly Cys	Ala Ala Gly Ala Gly Gly Cys Ala
2150	2155	2160
Ala Gly	Ala Cys Cys Thr Gly	Gly Gly Gly Ala Thr Cys Thr Gly
2165	2170	2175
Gly Gly	Ala Ala Ala Gly Gly	Thr Gly Gly Ala Ala Gly Cys Thr
2180	2185	2190
Cys Thr	Gly Cys Thr Cys Cys	Ala Gly Gly Ala Gly Gly Ala Cys

2195	2200	2205
Cys Thr Gly Cys Thr Gly Cys Thr Gly Ala Cys Gly Ala Ala Gly		
2210	2215	2220
Cys Cys Cys Gly Ala Gly Ala Thr Gly Thr Thr Thr Gly Ala Gly		
2225	2230	2235
Ala Ala Cys Cys Cys Ala Cys Thr Gly Thr Ala Thr Gly Gly Ala		
2240	2245	2250
Thr Cys Cys Gly Thr Gly Ala Gly Thr Thr Cys Cys Thr Thr Cys		
2255	2260	2265
Cys Cys Thr Ala Ala Gly Cys Thr Gly Gly Thr Gly Cys Cys Cys		
2270	2275	2280
Ala Gly Gly Ala Ala Ala Gly Ala Gly Cys Ala Gly Gly Ala Gly		
2285	2290	2295
Thr Cys Thr Cys Cys Cys Ala Ala Gly Ala Thr Gly Cys Thr Gly		
2300	2305	2310
Cys Gly Gly Ala Ala Gly Gly Ala Gly Cys Cys Cys Cys Cys Gly		
2315	2320	2325
Cys Cys Cys Thr Gly Thr Cys Cys Ala Gly Ala Cys Cys Cys Ala		
2330	2335	2340
Gly Gly Ala Ala Thr Cys Thr Cys Ala Thr Cys Ala Cys Cys Cys		
2345	2350	2355
Ala Gly Cys Ala Thr Cys Gly Thr Gly Cys Thr Cys Cys Cys Cys		
2360	2365	2370
Ala Ala Ala Gly Cys Cys Cys Ala Ala Gly Ala Gly Gly Thr Gly		
2375	2380	2385
Gly Ala Gly Ala Gly Thr Gly Thr Cys Ala Ala Gly Gly Gly Gly		
2390	2395	2400
Ala Cys Ala Ala Gly Cys Ala Ala Ala Cys Ala Gly Gly Cys Cys		
2405	2410	2415
Cys Cys Thr Gly Thr Gly Cys Cys Thr Gly Thr Cys Cys Thr Thr		
2420	2425	2430
Gly Gly Cys Cys Cys Cys Ala Cys Ala Cys Cys Cys Cys Gly Gly		
2435	2440	2445
Ala Thr Cys Cys Gly Cys Thr Cys Cys Thr Thr Thr Ala Cys Cys		
2450	2455	2460
Thr Gly Thr Thr Cys Thr Thr Cys Thr Thr Cys Thr Gly Cys Thr		
2465	2470	2475
Gly Ala Gly Gly Gly Cys Ala Gly Ala Ala Thr Gly Ala Cys Cys		
2480	2485	2490
Ala Gly Thr Gly Gly Gly Gly Ala Cys Ala Ala Gly Ala Gly Cys		
2495	2500	2505
Cys Ala Ala Gly Gly Gly Ala Ala Gly Cys Cys Cys Ala Ala Gly		
2510	2515	2520
Gly Cys Cys Thr Cys Ala Gly Cys Cys Ala Gly Thr Thr Cys Cys		
2525	2530	2535
Cys Ala Ala Gly Cys Cys Cys Cys Ala Gly Thr Gly Cys Cys Ala		
2540	2545	2550
Gly Thr Cys Ala Ala Gly Ala Gly Gly Cys Cys Thr Gly Thr Cys		
2555	2560	2565
Ala Ala Gly Cys Cys Thr Thr Cys Cys Ala Gly Gly Thr Cys Ala		

2570	2575	2580
Gly Ala	Ala Ala Thr Gly Ala	Gly Cys Cys Ala Gly Cys Ala Gly
2585	2590	2595
Ala Cys	Ala Ala Cys Ala Cys	Cys Cys Ala Thr Cys Cys Cys Ala
2600	2605	2610
Gly Cys	Thr Cys Cys Ala Cys	Gly Gly Cys Cys Ala Cys Cys Cys
2615	2620	2625
Cys Thr	Gly Cys Cys Ala Gly	Thr Cys Ala Ala Gly Ala Gly Thr
2630	2635	2640
Cys Cys	Thr Gly Cys Thr Gly	Thr Cys Cys Thr Gly Cys Ala Gly
2645	2650	2655
Cys Thr	Gly Cys Ala Ala Cys	Ala Thr Thr Cys Cys Ala Ala Ala
2660	2665	2670
Gly Gly	Cys Ala Gly Ala Gly	Ala Cys Thr Ala Cys Cys Gly Thr
2675	2680	2685
Gly Ala	Cys Ala Ala Cys Ala	Cys Ala Gly Ala Ala Cys Thr Cys
2690	2695	2700
Cys Cys	Cys Cys Ala Cys Cys	Ala Thr Gly Gly Cys Ala Ala Gly
2705	2710	2715
Cys Ala	Cys Cys Gly Cys Cys	Ala Ala Gly Ala Gly Gly Ala Gly
2720	2725	2730
Gly Gly	Gly Cys Thr Gly Cys	Thr Thr Gly Gly Cys Ala Gly Gly
2735	2740	2745
Ala Cys	Thr Gly Cys Cys Ala	Thr Gly Cys Ala Gly Thr Gly Ala
2750	2755	2760
Gly Cys	Thr Gly Cys Thr Gly	Gly Thr Gly Ala Thr Cys Gly Gly
2765	2770	2775
Ala Gly	Cys Cys Thr Gly Gly	Ala Gly Gly Ala Ala Cys Ala Gly
2780	2785	2790
Cys Ala	Cys Ala Ala Ala Gly	Cys Ala Gly Ala Cys Cys Thr Gly
2795	2800	2805
Cys Gly	Cys Cys Thr Cys Thr	Cys Thr Cys Ala Gly Gly Ala Thr
2810	2815	2820
Gly Cys	Cys Thr Cys Thr Cys	Thr Cys Ala Gly Gly Ala Thr Gly
2825	2830	2835
Cys Cys	Thr Cys Thr Thr Gly	Gly Ala Gly Gly Ala Cys Cys Thr
2840	2845	2850
Cys Cys	Thr Gly Cys Thr Ala	Gly Cys Thr Cys Thr Thr Cys Thr
2855	2860	2865
Thr Gly	Cys Cys Thr Ala Gly	Cys Thr Thr Cys Ala Ala Gly Thr
2870	2875	2880
Cys Cys	Cys Ala Gly Gly Cys	Thr Gly Thr Gly Thr Ala Thr Thr
2885	2890	2895
Thr Thr	Thr Thr Thr Thr Cys	Ala Gly Gly Ala Ala Ala Cys Gly
2900	2905	2910
Gly Cys	Cys Thr Cys Ala Cys	Thr Thr Cys Thr Cys Thr Gly Thr
2915	2920	2925
Gly Gly	Thr Cys Cys Ala Ala	Gly Ala Ala Gly Thr Gly Thr Gly
2930	2935	2940
Cys Thr	Gly Cys Thr Gly Gly	Cys Thr Gly Cys Cys Ala Cys Ala

2945	2950	2955
Cys Thr Gly Thr Gly Cys Gly	Gly Cys Ala Gly Ala Thr Gly Cys	
2960	2965	2970
Thr Ala Ala Ala Gly Cys Thr	Gly Gly Ala Thr Gly Ala Cys Ala	
2975	2980	2985
Ala Ala Cys Gly Cys Ala Cys	Gly Cys Cys Ala Thr Ala Cys Ala	
2990	2995	3000
Gly Ala Cys Ala Gly Cys Ala	Gly Ala Cys Ala Gly Cys Gly Gly	
3005	3010	3015
Cys Ala Cys Thr Gly Gly Gly	Thr Cys Thr Cys Ala Gly Ala Ala	
3020	3025	3030
Cys Thr Thr Gly Gly Ala Thr	Thr Cys Cys Thr Gly Gly Gly Cys	
3035	3040	3045
Cys Thr Thr Cys Thr Thr Cys	Cys Ala Gly Thr Cys Gly Cys Cys	
3050	3055	3060
Gly Thr Thr Thr Thr Ala Ala	Ala Gly Ala Ala Ala Gly Gly Ala	
3065	3070	3075
Ala Cys Thr Ala Ala Cys Gly	Gly Ala Gly Cys Thr Gly Cys Thr	
3080	3085	3090
Cys Ala Thr Cys Cys Gly Ala	Gly Gly Gly Thr Gly Ala Ala Gly	
3095	3100	3105
Ala Thr Ala Thr Ala Ala Ala	Thr Ala Ala Thr Ala Ala Thr Ala	
3110	3115	3120
Thr Thr Ala Thr Thr Ala Ala	Thr Ala Ala Thr Ala Ala Thr Ala	
3125	3130	3135
Ala Cys Ala Gly Thr Cys Ala	Gly Gly Thr Gly Cys Cys Ala Thr	
3140	3145	3150
Gly Thr Gly Cys Thr Gly Thr	Gly Thr Thr Ala Ala Gly Thr Gly	
3155	3160	3165
Cys Thr Thr Thr Ala Thr Gly	Ala Ala Cys Ala Thr Thr Thr Gly	
3170	3175	3180
Thr Cys Gly Gly Gly Cys Thr	Gly Gly Cys Cys Thr Cys Cys Ala	
3185	3190	3195
Gly Thr Gly Cys Thr Gly Ala	Gly Gly Thr Gly Cys Cys Ala Gly	
3200	3205	3210
Thr Cys Ala Gly Cys Cys Thr	Gly Ala Ala Cys Cys Cys Thr Ala	
3215	3220	3225
Thr Gly Cys Cys Cys Ala Gly	Gly Cys Cys Cys Ala Cys Thr Ala	
3230	3235	3240
Ala Thr Cys Cys Cys Ala Ala	Ala Thr Gly Gly Thr Gly Gly Gly	
3245	3250	3255
Thr Cys Cys Thr Gly Ala Gly	Ala Thr Gly Thr Thr Thr Thr Thr	
3260	3265	3270
Ala Ala Ala Ala Ala Gly Cys	Ala Thr Thr Ala Ala Ala Gly Ala	
3275	3280	3285
Ala Ala Ala Cys Cys Ala Thr	Cys Gly Gly Thr Cys Thr Cys Thr	
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Thr Ala Gly Ala Gly Cys Thr	Ala Ala Cys Cys Gly Gly Cys Cys	
3305	3310	3315
Gly Gly Gly Cys Thr Cys Thr	Ala Cys Thr Gly Cys Ala Gly Gly	

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Gly Ala Cys Cys Cys Gly Ala	Ala Cys Ala Gly Thr	Cys Thr Gly
3335	3340	3345
Cys Ala Thr Gly Gly Cys Thr	Ala Ala Gly Thr Gly	Gly Cys Ala
3350	3355	3360
Cys Ala Ala Gly Gly Ala Gly	Cys Cys Thr Gly Gly	Cys Cys Cys
3365	3370	3375
Thr Gly Thr Cys Cys Ala Gly	Cys Thr Thr Cys Ala	Gly Ala Gly
3380	3385	3390
Ala Thr Cys Cys Ala Ala Gly	Cys Thr Gly Cys Thr	Thr Thr Thr
3395	3400	3405
Thr Gly Cys Thr Gly Gly Gly	Gly Thr Thr Cys Thr	Gly Thr Cys
3410	3415	3420
Ala Cys Ala Gly Gly Cys Cys	Thr Gly Ala Thr Cys	Cys Thr Cys
3425	3430	3435
Thr Thr Gly Gly Thr Thr Thr	Thr Thr Ala Thr Gly	Gly Gly Gly
3440	3445	3450
Thr Thr Thr Cys Ala Ala Gly	Thr Cys Thr Gly Cys	Cys Ala Gly
3455	3460	3465
Ala Gly Thr Cys Ala Gly Ala	Ala Ala Thr Cys Ala	Gly Cys Thr
3470	3475	3480
Cys Thr Ala Ala Cys Thr Cys	Gly Cys Cys Ala Gly	Thr Gly Ala
3485	3490	3495
Ala Gly Ala Gly Ala Thr Cys	Thr Gly Gly Cys Cys	Thr Thr Ala
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Ala Cys Thr Thr Ala Ala Gly	Cys Cys Ala Gly Cys	Cys Ala Cys
3515	3520	3525
Gly Thr Cys Ala Gly Gly Cys	Cys Cys Cys Thr Gly	Cys Thr Gly
3530	3535	3540
Ala Gly Cys Cys Thr Ala Thr	Gly Gly Ala Cys Cys	Ala Ala Thr
3545	3550	3555
Ala Ala Ala Thr Ala Cys Thr	Cys Cys Cys Cys Gly	Thr Gly Cys
3560	3565	3570
Cys Ala Cys Thr Gly Gly Ala	Gly Gly Thr Gly Gly	Gly Cys Ala
3575	3580	3585
Gly Cys Thr Ala Thr Cys Ala	Cys Cys Ala Thr Ala	Cys Cys Cys
3590	3595	3600
Thr Gly Ala Gly Thr Thr Gly	Gly Gly Cys Cys Ala	Ala Gly Cys
3605	3610	3615
Cys Cys Ala Cys Cys Cys Cys	Ala Cys Cys Cys Cys	Thr Ala Cys
3620	3625	3630
Cys Cys Thr Gly Cys Ala Ala	Cys Ala Thr Thr Thr	Cys Thr Gly
3635	3640	3645
Ala Thr Gly Thr Trp Cys Thr	Gly Ala Gly Gly Ala	Ala Gly Ala
3650	3655	3660
Gly Thr Cys Thr Cys Cys Ala	Cys Cys Ala Thr Ala	Gly Thr Cys
3665	3670	3675
Cys Cys Cys Ala Ala Gly Gly	Gly Cys Thr Gly Ala	Gly Thr Thr
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Cys Thr Cys Cys Ala Gly Cys	Cys Thr Gly Cys Thr	Ala Thr Cys

3695 3700 3705
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 3785 3790 3795
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 3890 3895 3900
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 Gly Cys Cys Thr Thr Thr Cys Thr Ala
 3935 3940
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 20 25 30
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 35 40 45
 Cys Ala Thr Cys Cys Gly Gly Ala Cys Cys Cys Thr Cys Cys Cys Ala
 50 55 60
 Thr Cys Cys Cys Thr Gly Gly Ala Gly Thr Cys Thr Cys Thr Gly Cys
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 Ala Gly Ala Gly Gly Thr Thr Ala Thr Thr Thr Gly Ala Cys Cys Ala

85 90 95
 Gly Cys Ala Gly Cys Thr Cys Thr Cys Cys Cys Gly Gly Gly Cys
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 Ala Gly Gly Thr Thr Cys Cys Thr Gly Gly Thr Gly Ala Gly Gly Cys
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 Cys Ala Ala Thr Cys Cys Cys Ala Thr Cys Ala Ala Cys Ala Thr Gly
 145 150 155 160
 Gly Thr Gly Thr Cys Cys Ala Ala Gly Cys Thr Cys Ala Gly Cys Cys
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 Ala Ala Cys Thr Gly Ala Cys Ala Ala Gly Cys Cys Thr Gly Thr Thr
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 Ala Ala Gly Gly Thr Cys Ala Ala Gly Gly Cys Cys Thr Thr Gly Cys
 210 215 220
 Thr Gly Cys Ala Cys Gly Ala Gly Gly Gly Thr Cys Cys Thr Gly Ala
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 Gly Thr Cys Thr Cys Cys Gly Cys Ala Cys Cys Gly Gly Cys Cys Cys
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 260 265 270
 Thr Cys Ala Cys Cys Thr Thr Thr Gly Ala Gly Gly Thr Gly Ala Ala
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 305 310 315 320
 Ala Gly Cys Thr Cys Ala Ala Ala Gly Thr Cys Gly Ala Cys Gly Thr
 325 330 335
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 Cys Ala Ala Gly Thr Thr Cys Thr Ala Cys Ala Gly Cys Cys Ala Cys
 385 390 395 400
 Ala Ala Gly Ala Ala Ala Ala Thr Cys Cys Thr Gly Cys Ala Gly Cys
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485 490 495
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 515 520 525
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 Ala Cys Thr Cys Ala Gly Ala Gly Cys Ala Gly Cys Cys Gly Gly Ala
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 Gly Cys Cys Cys Gly Ala Cys Ala Thr Gly Ala Thr Cys Ala Cys Cys
 580 585 590
 Ala Thr Cys Thr Thr Cys Ala Thr Cys Gly Gly Cys Ala Cys Cys Thr
 595 600 605
 Gly Gly Ala Ala Cys Ala Thr Gly Gly Gly Thr Ala Ala Cys Gly Cys
 610 615 620
 Cys Cys Cys Cys Cys Cys Thr Cys Cys Cys Ala Ala Gly Ala Ala Gly
 625 630 635 640
 Ala Thr Cys Ala Cys Gly Thr Cys Cys Thr Gly Gly Thr Thr Thr Cys
 645 650 655
 Thr Cys Thr Cys Cys Ala Ala Gly Gly Gly Gly Cys Ala Gly Gly Gly
 660 665 670
 Ala Ala Ala Gly Ala Cys Gly Cys Gly Gly Gly Ala Cys Gly Ala Cys
 675 680 685
 Thr Cys Thr Gly Cys Gly Gly Ala Cys Thr Ala Cys Ala Thr Cys Cys
 690 695 700
 Cys Cys Cys Ala Thr Gly Ala Cys Ala Thr Thr Thr Ala Cys Gly Thr
 705 710 715 720
 Gly Ala Thr Cys Gly Gly Cys Ala Cys Cys Cys Ala Ala Gly Ala Gly
 725 730 735
 Gly Ala Cys Cys Cys Cys Cys Thr Gly Ala Gly Thr Gly Ala Gly Ala
 740 745 750
 Ala Gly Gly Ala Gly Thr Gly Gly Cys Thr Gly Gly Ala Gly Ala Thr
 755 760 765
 Cys Cys Thr Cys Ala Ala Ala Cys Ala Cys Thr Cys Cys Cys Thr Gly
 770 775 780
 Cys Ala Ala Gly Ala Ala Ala Thr Cys Ala Cys Cys Ala Gly Thr Gly
 785 790 795 800
 Thr Gly Ala Cys Thr Thr Thr Thr Ala Ala Ala Ala Cys Ala Gly Thr
 805 810 815
 Cys Gly Cys Cys Ala Thr Cys Cys Ala Cys Ala Cys Gly Cys Thr Cys
 820 825 830
 Thr Gly Gly Ala Ala Cys Ala Thr Cys Cys Gly Cys Ala Thr Cys Gly
 835 840 845
 Thr Gly Gly Thr Gly Cys Thr Gly Gly Cys Cys Ala Ala Gly Cys Cys
 850 855 860
 Thr Gly Ala Gly Cys Ala Cys Gly Ala Gly Ala Cys Cys Gly Gly
 865 870 875 880
 Ala Thr Cys Ala Gly Cys Cys Ala Cys Ala Thr Cys Thr Gly Thr Ala

885	890	895	
Cys Thr Gly Ala Cys Ala Ala Cys Gly Thr Gly Ala Ala Gly Ala Cys			
900	905	910	
Ala Gly Gly Cys Ala Thr Thr Gly Cys Ala Ala Ala Cys Ala Cys Ala			
915	920	925	
Cys Thr Gly Gly Gly Gly Ala Ala Cys Ala Ala Gly Gly Gly Ala Gly			
930	935	940	
Cys Cys Gly Thr Gly Gly Gly Gly Gly Thr Gly Thr Cys Gly Thr Thr			
945	950	955	960
Cys Ala Thr Gly Thr Thr Cys Ala Ala Thr Gly Gly Ala Ala Cys Cys			
965	970	975	
Thr Cys Cys Thr Thr Ala Gly Gly Gly Thr Thr Cys Gly Thr Cys Ala			
980	985	990	
Ala Cys Ala Gly Cys Cys Ala Cys Thr Thr Gly Ala Cys Thr Thr Cys			
995	1000	1005	
Ala Gly Gly Ala Ala Gly Thr Gly Ala Ala Ala Ala Gly Ala Ala			
1010	1015	1020	
Ala Cys Thr Cys Ala Gly Gly Cys Gly Ala Ala Ala Cys Cys Ala			
1025	1030	1035	
Ala Ala Ala Cys Thr Ala Thr Ala Thr Gly Ala Ala Cys Ala Thr			
1040	1045	1050	
Thr Cys Thr Cys Cys Gly Gly Thr Thr Cys Cys Thr Gly Gly Cys			
1055	1060	1065	
Cys Cys Thr Gly Gly Gly Cys Gly Ala Cys Ala Ala Gly Ala Ala			
1070	1075	1080	
Gly Cys Thr Gly Ala Gly Thr Cys Cys Cys Thr Thr Thr Ala Ala			
1085	1090	1095	
Cys Ala Thr Cys Ala Cys Thr Cys Ala Cys Cys Gly Cys Thr Thr			
1100	1105	1110	
Cys Ala Cys Gly Cys Ala Cys Cys Thr Cys Thr Thr Cys Thr Gly			
1115	1120	1125	
Gly Thr Thr Thr Gly Gly Gly Gly Ala Thr Cys Thr Thr Ala Ala			
1130	1135	1140	
Cys Thr Ala Cys Cys Gly Thr Gly Thr Gly Gly Ala Thr Cys Thr			
1145	1150	1155	
Gly Cys Cys Thr Ala Cys Cys Thr Gly Gly Gly Ala Gly Gly Cys			
1160	1165	1170	
Ala Gly Ala Ala Ala Cys Cys Ala Thr Cys Ala Thr Cys Cys Ala			
1175	1180	1185	
Gly Ala Ala Ala Ala Thr Cys Ala Ala Gly Cys Ala Gly Cys Ala			
1190	1195	1200	
Gly Cys Ala Gly Thr Ala Cys Gly Cys Ala Gly Ala Cys Cys Thr			
1205	1210	1215	
Cys Cys Thr Gly Thr Cys Cys Cys Ala Cys Gly Ala Cys Cys Ala			
1220	1225	1230	
Gly Cys Thr Gly Cys Thr Cys Ala Cys Ala Gly Ala Gly Ala Gly			
1235	1240	1245	
Gly Ala Gly Gly Gly Ala Gly Cys Ala Gly Ala Ala Gly Gly Thr			
1250	1255	1260	
Cys Thr Thr Cys Cys Thr Ala Cys Ala Cys Thr Thr Cys Gly Ala			

1265	1270	1275
Gly Gly Ala Gly Gly Ala Ala	Gly Ala Ala Ala Thr	Cys Ala Cys
1280	1285	1290
Gly Thr Thr Thr Gly Cys Cys	Cys Cys Ala Ala Cys	Cys Thr Ala
1295	1300	1305
Cys Cys Gly Thr Thr Thr Thr	Gly Ala Gly Ala Gly	Ala Cys Thr
1310	1315	1320
Gly Ala Cys Thr Cys Gly Gly	Gly Ala Cys Ala Ala	Ala Thr Ala
1325	1330	1335
Cys Gly Cys Cys Thr Ala Cys	Ala Cys Cys Ala Ala	Gly Cys Ala
1340	1345	1350
Gly Ala Ala Ala Gly Cys Gly	Ala Cys Ala Gly Gly	Gly Ala Thr
1355	1360	1365
Gly Ala Ala Gly Thr Ala Cys	Ala Ala Cys Thr Thr	Gly Cys Cys
1370	1375	1380
Thr Thr Cys Cys Thr Gly Gly	Thr Gly Thr Gly Ala	Cys Cys Gly
1385	1390	1395
Ala Gly Thr Cys Cys Thr Cys	Thr Gly Gly Ala Ala	Gly Thr Cys
1400	1405	1410
Thr Thr Ala Thr Cys Cys Cys	Cys Thr Gly Gly Thr	Gly Cys Ala
1415	1420	1425
Cys Gly Thr Gly Gly Thr Gly	Thr Gly Thr Cys Ala	Gly Thr Cys
1430	1435	1440
Thr Thr Ala Thr Gly Gly Cys	Ala Gly Thr Ala Cys	Cys Ala Gly
1445	1450	1455
Cys Gly Ala Cys Ala Thr Cys	Ala Thr Gly Ala Cys	Gly Ala Gly
1460	1465	1470
Thr Gly Ala Cys Cys Ala Cys	Ala Gly Cys Cys Cys	Thr Gly Thr
1475	1480	1485
Cys Thr Thr Thr Gly Cys Cys	Ala Cys Ala Thr Thr	Thr Gly Ala
1490	1495	1500
Gly Gly Cys Ala Gly Gly Ala	Gly Thr Cys Ala Cys	Thr Thr Cys
1505	1510	1515
Cys Cys Ala Gly Thr Thr Thr	Gly Thr Cys Thr Cys	Cys Ala Ala
1520	1525	1530
Gly Ala Ala Cys Gly Gly Thr	Cys Cys Cys Gly Gly	Gly Ala Cys
1535	1540	1545
Thr Gly Thr Thr Gly Ala Cys	Ala Gly Cys Cys Ala	Ala Gly Gly
1550	1555	1560
Ala Cys Ala Gly Ala Thr Thr	Gly Ala Gly Thr Thr	Thr Cys Thr
1565	1570	1575
Cys Ala Gly Gly Thr Gly Cys	Thr Ala Thr Gly Cys	Cys Ala Cys
1580	1585	1590
Ala Thr Thr Gly Ala Ala Gly	Ala Cys Cys Ala Ala	Gly Thr Cys
1595	1600	1605
Cys Cys Ala Gly Ala Cys Cys	Ala Ala Ala Thr Thr	Cys Thr Ala
1610	1615	1620
Cys Cys Thr Gly Gly Ala Gly	Thr Thr Cys Cys Ala	Cys Thr Cys
1625	1630	1635
Gly Ala Gly Cys Thr Gly Cys	Thr Thr Gly Gly Ala	Gly Ala Gly

1640	1645	1650
Thr Thr	Thr Thr Gly Thr Cys	Ala Ala Gly Ala Gly Thr Cys Ala
1655	1660	1665
Gly Gly	Ala Ala Gly Gly Ala	Gly Ala Ala Ala Ala Thr Gly Ala
1670	1675	1680
Ala Gly	Ala Ala Gly Gly Ala	Ala Gly Thr Gly Ala Gly Gly Gly
1685	1690	1695
Gly Gly	Ala Gly Cys Thr Gly	Gly Thr Gly Gly Thr Gly Ala Ala
1700	1705	1710
Gly Thr	Thr Thr Gly Gly Thr	Gly Ala Gly Ala Cys Thr Cys Thr
1715	1720	1725
Thr Cys	Cys Ala Ala Ala Gly	Cys Thr Gly Ala Ala Gly Cys Cys
1730	1735	1740
Cys Ala	Thr Thr Ala Thr Cys	Thr Cys Thr Gly Ala Cys Cys Cys
1745	1750	1755
Thr Gly	Ala Gly Thr Ala Cys	Cys Thr Gly Cys Thr Ala Gly Ala
1760	1765	1770
Cys Cys	Ala Gly Cys Ala Cys	Ala Thr Cys Cys Thr Cys Ala Thr
1775	1780	1785
Cys Ala	Gly Cys Ala Thr Cys	Ala Ala Gly Thr Cys Cys Thr Cys
1790	1795	1800
Thr Gly	Ala Cys Ala Gly Cys	Gly Ala Cys Gly Ala Ala Thr Cys
1805	1810	1815
Cys Thr	Ala Thr Gly Gly Cys	Gly Ala Gly Gly Gly Cys Thr Gly
1820	1825	1830
Cys Ala	Thr Thr Gly Cys Cys	Cys Thr Thr Cys Gly Gly Thr Thr
1835	1840	1845
Ala Gly	Ala Gly Gly Cys Cys	Ala Cys Ala Gly Ala Ala Ala Cys
1850	1855	1860
Gly Cys	Ala Gly Cys Thr Gly	Cys Cys Cys Ala Thr Cys Thr Ala
1865	1870	1875
Cys Ala	Cys Gly Cys Cys Thr	Cys Thr Cys Ala Cys Cys Cys Ala
1880	1885	1890
Cys Cys	Ala Thr Gly Gly Gly	Gly Ala Gly Thr Thr Gly Ala Cys
1895	1900	1905
Ala Gly	Gly Cys Cys Ala Cys	Thr Thr Cys Cys Ala Gly Gly Gly
1910	1915	1920
Gly Gly	Ala Gly Ala Thr Cys	Ala Ala Gly Cys Thr Gly Cys Ala
1925	1930	1935
Gly Ala	Cys Cys Thr Cys Thr	Cys Ala Gly Gly Gly Cys Ala Ala
1940	1945	1950
Gly Ala	Cys Gly Ala Gly Gly	Gly Ala Gly Ala Ala Gly Cys Thr
1955	1960	1965
Cys Thr	Ala Thr Gly Ala Cys	Thr Thr Thr Gly Thr Gly Ala Ala
1970	1975	1980
Gly Ala	Cys Gly Gly Ala Gly	Cys Gly Thr Gly Ala Thr Gly Ala
1985	1990	1995
Ala Thr	Cys Cys Ala Gly Thr	Gly Gly Gly Cys Cys Ala Ala Ala
2000	2005	2010
Gly Ala	Cys Cys Cys Thr Gly	Ala Ala Gly Ala Gly Cys Cys Thr

2015	2020	2025
Cys Ala	Cys Cys Ala Gly Cys	Cys Ala Cys Gly Ala Cys Cys Cys
2030	2035	2040
Cys Ala	Thr Gly Ala Ala Gly	Cys Ala Gly Thr Gly Gly Gly Ala
2045	2050	2055
Ala Gly	Thr Cys Ala Cys Thr	Ala Gly Cys Ala Gly Gly Gly Cys
2060	2065	2070
Cys Cys	Cys Thr Cys Cys Gly	Thr Gly Cys Ala Gly Thr Gly Gly
2075	2080	2085
Cys Thr	Cys Cys Ala Gly Cys	Ala Thr Cys Ala Cys Thr Gly Ala
2090	2095	2100
Ala Ala	Thr Cys Ala Thr Cys	Ala Ala Cys Cys Cys Cys Ala Ala
2105	2110	2115
Cys Thr	Ala Cys Ala Thr Gly	Gly Gly Ala Gly Thr Gly Gly Gly
2120	2125	2130
Gly Cys	Cys Cys Thr Thr Thr	Gly Gly Gly Cys Cys Ala Cys Cys
2135	2140	2145
Ala Ala	Thr Gly Cys Cys Cys	Cys Thr Gly Cys Ala Cys Gly Thr
2150	2155	2160
Gly Ala	Ala Gly Cys Ala Gly	Ala Cys Cys Thr Thr Gly Thr Cys
2165	2170	2175
Cys Cys	Cys Thr Gly Ala Cys	Cys Ala Gly Cys Ala Gly Cys Cys
2180	2185	2190
Cys Ala	Cys Ala Gly Cys Cys	Thr Gly Gly Ala Gly Cys Thr Ala
2195	2200	2205
Cys Gly	Ala Cys Cys Ala Gly	Cys Cys Gly Cys Cys Cys Ala Ala
2210	2215	2220
Gly Gly	Ala Cys Thr Cys Cys	Cys Cys Gly Cys Thr Gly Gly Gly
2225	2230	2235
Gly Cys	Cys Cys Thr Gly Cys	Ala Gly Gly Gly Gly Ala Gly Ala
2240	2245	2250
Ala Ala	Gly Thr Cys Cys Thr	Cys Cys Gly Ala Cys Ala Cys Cys
2255	2260	2265
Thr Cys	Cys Cys Gly Gly Cys	Cys Ala Gly Cys Cys Gly Cys Cys
2270	2275	2280
Cys Ala	Thr Ala Thr Cys Ala	Cys Cys Cys Ala Ala Gly Ala Ala
2285	2290	2295
Gly Thr	Thr Thr Thr Thr Ala	Cys Cys Cys Thr Cys Ala Ala Cys
2300	2305	2310
Ala Gly	Cys Ala Ala Ala Cys	Cys Gly Gly Gly Gly Thr Cys Thr
2315	2320	2325
Cys Cys	Cys Thr Cys Cys Cys	Ala Gly Gly Ala Cys Ala Cys Ala
2330	2335	2340
Gly Gly	Ala Gly Thr Cys Ala	Ala Gly Gly Cys Cys Cys Ala Gly
2345	2350	2355
Thr Gly	Ala Cys Cys Thr Gly	Gly Gly Gly Ala Ala Gly Ala Ala
2360	2365	2370
Cys Gly	Cys Ala Gly Gly Gly	Gly Ala Cys Ala Cys Gly Cys Thr
2375	2380	2385
Gly Cys	Cys Thr Cys Ala Gly	Gly Ala Gly Gly Ala Cys Cys Thr

2390	2395	2400
Gly Cys Cys Gly Cys Thr Gly	Ala Cys Gly Ala Ala	Gly Cys Cys
2405	2410	2415
Cys Gly Ala Gly Ala Thr Gly	Thr Thr Thr Gly Ala	Gly Ala Ala
2420	2425	2430
Cys Cys Cys Cys Cys Thr Gly	Thr Ala Thr Gly Gly	Gly Thr Cys
2435	2440	2445
Cys Cys Thr Gly Ala Gly Thr	Thr Cys Cys Thr Thr	Cys Cys Cys
2450	2455	2460
Thr Ala Ala Gly Cys Cys Thr	Gly Cys Thr Cys Cys	Cys Ala Gly
2465	2470	2475
Gly Ala Ala Gly Gly Ala Cys	Cys Ala Gly Gly Ala	Ala Thr Cys
2480	2485	2490
Cys Cys Cys Cys Ala Ala Ala	Ala Thr Gly Cys Cys	Gly Cys Gly
2495	2500	2505
Gly Ala Ala Gly Gly Ala Ala	Cys Cys Cys Cys Cys	Gly Cys Cys
2510	2515	2520
Cys Thr Gly Cys Cys Cys Gly	Gly Ala Ala Cys Cys	Cys Gly Gly
2525	2530	2535
Cys Ala Thr Cys Thr Thr Gly	Thr Cys Gly Cys Cys	Cys Ala Gly
2540	2545	2550
Cys Ala Thr Cys Gly Thr Gly	Cys Thr Cys Ala Cys	Cys Ala Ala
2555	2560	2565
Ala Gly Cys Cys Cys Ala Gly	Gly Ala Gly Gly Cys	Thr Gly Ala
2570	2575	2580
Thr Cys Gly Cys Gly Gly Cys	Gly Ala Gly Gly Gly	Gly Cys Cys
2585	2590	2595
Cys Gly Gly Cys Ala Ala Gly	Cys Ala Gly Gly Thr	Gly Cys Cys
2600	2605	2610
Cys Gly Cys Gly Cys Cys Cys	Cys Gly Gly Cys Thr	Gly Cys Gly
2615	2620	2625
Cys Thr Cys Cys Thr Thr Cys	Ala Cys Gly Thr Gly	Cys Thr Cys
2630	2635	2640
Ala Thr Cys Cys Thr Cys Thr	Gly Cys Cys Gly Ala	Gly Gly Gly
2645	2650	2655
Cys Ala Gly Gly Gly Cys Gly	Gly Cys Cys Gly Gly	Cys Gly Gly
2660	2665	2670
Gly Gly Ala Cys Ala Ala Gly	Ala Gly Cys Cys Ala	Ala Gly Gly
2675	2680	2685
Gly Ala Ala Gly Cys Cys Cys	Ala Ala Gly Ala Cys	Cys Cys Cys
2690	2695	2700
Gly Gly Thr Cys Ala Gly Cys	Thr Cys Cys Cys Ala	Gly Gly Cys
2705	2710	2715
Cys Cys Cys Gly Gly Thr Gly	Cys Cys Gly Gly Cys	Cys Ala Ala
2720	2725	2730
Gly Ala Gly Gly Cys Cys Cys	Ala Thr Cys Ala Ala	Gly Cys Cys
2735	2740	2745
Thr Thr Cys Cys Ala Gly Ala	Thr Cys Gly Gly Ala	Ala Ala Thr
2750	2755	2760
Cys Ala Ala Cys Cys Ala Gly	Cys Ala Gly Ala Cys	Cys Cys Cys

2765	2770	2775
Gly Cys Cys Cys Ala Cys Cys	Cys Cys Gly Ala Cys	Gly Cys Cys
2780	2785	2790
Gly Cys Gly Gly Cys Cys Gly	Cys Cys Gly Cys Thr	Gly Cys Cys
2795	2800	2805
Ala Gly Thr Cys Ala Ala Gly	Ala Gly Cys Cys Cys	Gly Gly Cys
2810	2815	2820
Gly Gly Thr Gly Cys Thr Gly	Cys Ala Cys Cys Thr	Cys Cys Ala
2825	2830	2835
Gly Cys Ala Cys Thr Cys Cys	Ala Ala Gly Gly Gly	Cys Cys Gly
2840	2845	2850
Cys Gly Ala Cys Thr Ala Cys	Cys Gly Cys Gly Ala	Cys Ala Ala
2855	2860	2865
Cys Ala Cys Cys Gly Ala Gly	Cys Thr Cys Cys Cys	Gly Cys Ala
2870	2875	2880
Thr Cys Ala Cys Gly Gly Cys	Ala Ala Gly Cys Ala	Cys Cys Gly
2885	2890	2895
Gly Cys Cys Gly Gly Ala Gly	Gly Ala Gly Gly Gly	Gly Cys Cys
2900	2905	2910
Ala Cys Cys Ala Gly Gly Gly	Cys Cys Thr Cys Thr	Ala Gly Gly
2915	2920	2925
Cys Ala Gly Gly Ala Cys Thr	Gly Cys Cys Ala Thr	Gly Cys Ala
2930	2935	2940
Gly Thr Gly Ala Ala Gly Cys	Cys Cys Thr Cys Ala	Gly Thr Gly
2945	2950	2955
Ala Gly Cys Thr Gly Cys Cys	Ala Cys Thr Gly Ala	Gly Thr Cys
2960	2965	2970
Gly Gly Gly Ala Gly Cys Cys	Cys Ala Gly Ala Gly	Gly Ala Ala
2975	2980	2985
Cys Gly Gly Cys Gly Thr Gly	Ala Ala Gly Cys Cys	Ala Cys Thr
2990	2995	3000
Gly Gly Ala Cys Cys Cys Thr	Cys Thr Cys Cys Cys	Gly Gly Gly
3005	3010	3015
Ala Cys Cys Thr Cys Cys Thr	Gly Cys Thr Gly Gly	Cys Thr Cys
3020	3025	3030
Cys Thr Cys Cys Thr Gly Cys	Cys Cys Ala Gly Cys	Thr Thr Cys
3035	3040	3045
Cys Thr Ala Thr Gly Cys Ala	Ala Gly Gly Cys Thr	Thr Thr Gly
3050	3055	3060
Thr Gly Thr Thr Thr Thr Cys	Ala Gly Gly Ala Ala	Ala Gly Gly
3065	3070	3075
Gly Cys Cys Thr Ala Gly Cys	Thr Thr Cys Thr Gly	Thr Gly Thr
3080	3085	3090
Gly Gly Cys Cys Cys Ala Cys	Ala Gly Ala Gly Thr	Thr Cys Ala
3095	3100	3105
Cys Thr Gly Cys Cys Thr Gly	Thr Gly Ala Gly Ala	Cys Thr Thr
3110	3115	3120
Ala Gly Cys Ala Cys Cys Ala	Ala Gly Thr Gly Cys	Thr Gly Ala
3125	3130	3135
Gly Gly Cys Thr Gly Gly Ala	Ala Gly Ala Ala Ala	Ala Ala Cys

3140	3145	3150
Gly Cys	Ala Cys Ala Cys Cys	Ala Gly Ala Cys Gly Gly Gly Cys
3155	3160	3165
Ala Ala	Cys Ala Ala Ala Cys	Ala Gly Thr Cys Thr Gly Gly Gly
3170	3175	3180
Thr Cys	Cys Cys Cys Ala Gly	Cys Thr Cys Gly Cys Thr Cys Thr
3185	3190	3195
Thr Gly	Gly Thr Ala Cys Thr	Thr Gly Gly Gly Ala Cys Cys Cys
3200	3205	3210
Cys Ala	Gly Thr Gly Cys Cys	Thr Cys Gly Thr Thr Gly Ala Gly
3215	3220	3225
Gly Gly	Cys Gly Cys Cys Ala	Thr Thr Cys Thr Gly Ala Ala Gly
3230	3235	3240
Ala Ala	Ala Gly Gly Ala Ala	Cys Thr Gly Cys Ala Gly Cys Gly
3245	3250	3255
Cys Cys	Gly Ala Thr Thr Thr	Gly Ala Gly Gly Gly Thr Gly Gly
3260	3265	3270
Ala Gly	Ala Thr Ala Thr Ala	Gly Ala Thr Ala Ala Thr Ala Ala
3275	3280	3285
Thr Ala	Ala Thr Ala Thr Thr	Ala Ala Thr Ala Ala Thr Ala Ala
3290	3295	3300
Thr Ala	Ala Thr Gly Gly Cys	Cys Ala Cys Ala Thr Gly Gly Ala
3305	3310	3315
Thr Cys	Gly Ala Ala Cys Ala	Cys Thr Cys Ala Thr Gly Ala Thr
3320	3325	3330
Gly Thr	Gly Cys Cys Ala Ala	Ala Thr Gly Cys Thr Gly Thr Gly
3335	3340	3345
Cys Thr	Ala Ala Gly Thr Gly	Cys Thr Thr Thr Ala Cys Gly Ala
3350	3355	3360
Ala Cys	Ala Thr Thr Cys Gly	Thr Cys Ala Thr Ala Thr Cys Ala
3365	3370	3375
Gly Gly	Ala Thr Gly Ala Cys	Cys Thr Cys Gly Ala Gly Ala Gly
3380	3385	3390
Cys Thr	Gly Ala Gly Gly Cys	Thr Cys Thr Ala Gly Cys Ala Cys
3395	3400	3405
Cys Thr	Ala Ala Ala Ala Cys	Cys Ala Cys Gly Thr Gly Cys Cys
3410	3415	3420
Cys Ala	Ala Ala Cys Cys Cys	Ala Cys Cys Ala Gly Thr Thr Thr
3425	3430	3435
Ala Ala	Ala Ala Cys Gly Gly	Thr Gly Thr Gly Thr Gly Thr Thr
3440	3445	3450
Cys Gly	Gly Ala Gly Gly Gly	Gly Thr Gly Ala Ala Ala Gly Cys
3455	3460	3465
Ala Thr	Thr Ala Ala Gly Ala	Ala Gly Cys Cys Cys Ala Gly Thr
3470	3475	3480
Gly Cys	Cys Cys Thr Cys Cys	Thr Gly Gly Ala Gly Thr Gly Ala
3485	3490	3495
Gly Ala	Cys Ala Ala Gly Gly	Gly Cys Thr Cys Gly Gly Cys Cys
3500	3505	3510
Thr Thr	Ala Ala Gly Gly Ala	Gly Cys Thr Gly Ala Ala Gly Ala

3515	3520	3525
Gly Thr Cys Thr Gly Gly Gly	Thr Ala Gly Cys Thr	Thr Gly Thr
3530	3535	3540
Thr Thr Ala Gly Gly Gly Thr	Ala Cys Ala Ala Gly	Ala Ala Gly
3545	3550	3555
Cys Cys Thr Gly Thr Thr Cys	Thr Gly Thr Cys Cys	Ala Gly Cys
3560	3565	3570
Thr Thr Cys Ala Gly Thr Gly	Ala Cys Ala Cys Ala	Ala Gly Cys
3575	3580	3585
Thr Gly Cys Thr Thr Thr Ala	Gly Cys Thr Ala Ala	Ala Gly Thr
3590	3595	3600
Cys Cys Cys Gly Cys Gly Gly	Gly Thr Thr Cys Cys	Gly Gly Cys
3605	3610	3615
Ala Thr Gly Gly Cys Thr Ala	Gly Gly Cys Thr Gly	Ala Gly Ala
3620	3625	3630
Gly Cys Ala Gly Gly Gly Ala	Thr Cys Thr Ala Cys	Cys Thr Gly
3635	3640	3645
Gly Cys Thr Thr Cys Thr Cys	Ala Gly Thr Thr Cys	Thr Thr Thr
3650	3655	3660
Gly Gly Thr Thr Gly Gly Ala	Ala Gly Gly Ala Gly	Cys Ala Gly
3665	3670	3675
Gly Ala Ala Ala Thr Cys Ala	Gly Cys Thr Cys Cys	Thr Ala Thr
3680	3685	3690
Thr Cys Thr Cys Cys Ala Gly	Thr Gly Gly Ala Gly	Ala Gly Ala
3695	3700	3705
Thr Cys Thr Gly Gly Cys Cys	Thr Cys Ala Gly Cys	Thr Thr Gly
3710	3715	3720
Gly Gly Cys Thr Ala Gly Ala	Gly Ala Thr Gly Cys	Cys Ala Ala
3725	3730	3735
Gly Gly Cys Cys Thr Gly Thr	Gly Cys Cys Ala Gly	Gly Thr Thr
3740	3745	3750
Cys Cys Cys Thr Gly Thr Gly	Cys Cys Cys Thr Cys	Cys Thr Cys
3755	3760	3765
Gly Ala Gly Gly Thr Gly Gly	Gly Cys Ala Gly Cys	Cys Ala Thr
3770	3775	3780
Cys Ala Cys Cys Ala Gly Cys	Cys Ala Cys Ala Gly	Thr Thr Ala
3785	3790	3795
Ala Gly Cys Cys Ala Ala Gly	Cys Cys Cys Cys Cys	Cys Ala Ala
3800	3805	3810
Cys Ala Thr Gly Thr Ala Thr	Thr Cys Cys Ala Thr	Cys Gly Thr
3815	3820	3825
Gly Cys Thr Gly Gly Thr Ala	Gly Ala Ala Gly Ala	Gly Thr Cys
3830	3835	3840
Thr Thr Thr Gly Cys Thr Gly	Thr Thr Gly Cys Thr	Cys Cys Cys
3845	3850	3855
Gly Ala Ala Ala Gly Cys Cys	Gly Thr Gly Cys Thr	Cys Thr Cys
3860	3865	3870
Cys Ala Gly Cys Cys Thr Gly	Gly Cys Thr Gly Cys	Cys Ala Gly
3875	3880	3885
Gly Gly Ala Gly Gly Gly Thr	Gly Gly Gly Cys Cys	Thr Cys Thr

3890	3895	3900
Thr Gly	Gly Thr Thr Cys Cys	Ala Gly Gly Cys Thr Cys Thr Thr
3905	3910	3915
Gly Ala	Ala Ala Thr Ala Gly	Thr Gly Cys Ala Gly Cys Cys Thr
3920	3925	3930
Thr Thr	Thr Cys Thr Thr Cys	Cys Thr Ala Thr Cys Thr Cys Thr
3935	3940	3945
Gly Thr	Gly Gly Cys Thr Thr	Thr Cys Ala Gly Cys Thr Cys Thr
3950	3955	3960
Gly Cys	Thr Thr Cys Cys Thr	Thr Gly Gly Thr Thr Ala Thr Thr
3965	3970	3975
Ala Gly	Gly Ala Gly Ala Ala	Thr Ala Gly Ala Thr Gly Gly Gly
3980	3985	3990
Thr Gly	Ala Thr Gly Thr Cys	Thr Thr Thr Cys Cys Thr Thr Ala
3995	4000	4005
Thr Gly	Thr Thr Gly Cys Thr	Thr Thr Thr Thr Cys Ala Ala Cys
4010	4015	4020
Ala Thr	Ala Gly Cys Ala Gly	Ala Ala Thr Thr Ala Ala Thr Gly
4025	4030	4035
Thr Ala	Gly Gly Gly Ala Gly	Cys Thr Ala Ala Ala Thr Cys Cys
4040	4045	4050
Ala Gly	Thr Gly Gly Thr Gly	Thr Gly Thr Gly Thr Gly Ala Ala
4055	4060	4065
Thr Gly	Cys Ala Gly Ala Ala	Gly Gly Gly Ala Ala Thr Gly Cys
4070	4075	4080
Ala Cys	Cys Cys Cys Ala Cys	Ala Thr Thr Cys Cys Cys Ala Thr
4085	4090	4095
Gly Ala	Thr Gly Gly Ala Ala	Gly Thr Cys Thr Gly Cys Gly Thr
4100	4105	4110
Ala Ala	Cys Cys Ala Ala Thr	Ala Ala Ala Thr Thr Gly Thr Gly
4115	4120	4125
Cys Cys	Thr Thr Thr Cys Thr	Cys Ala Cys Thr Cys Ala Ala Ala
4130	4135	4140
Ala Cys	Cys Cys	
4145		

<210> 4

<211> 457

<212> PRT

<213> Mouse

<223> Promoter region of the mouse s-SHIP.

<400> 4

Ala Ala Gly Cys Thr Gly Ala Thr Gly Thr Cys Ala Cys Thr Gly Cys
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Thr Cys Thr Gly Cys Ala Ala Gly Gly Ala Gly Cys Thr Cys Cys Ala
20 25 30
Thr Gly Gly Gly Thr Ala Ala Cys Gly Gly Ala Gly Ala Gly Cys Cys
35 40 45
Cys Thr Gly Ala Gly Ala Gly Ala Gly Gly Gly Thr Gly Gly Gly
50 55 60
Gly Gly Ala Gly Cys Thr Thr Cys Ala Thr Gly Gly Gly Thr Ala Ala

65 70 75 80
 Thr Gly Gly Gly Ala Gly Cys Cys Cys Cys Thr Ala Cys Cys Cys Ala
 85 90 95
 Cys Cys Cys Ala Gly Gly Ala Gly Gly Ala Thr Gly Gly Cys Cys Ala
 100 105 110
 Cys Ala Gly Cys Ala Ala Gly Ala Gly Ala Ala Ala Gly Thr Gly Cys
 115 120 125
 Thr Cys Ala Thr Thr Ala Gly Ala Gly Thr Gly Ala Cys Cys Cys Thr
 130 135 140
 Gly Gly Gly Thr Cys Thr Cys Cys Thr Cys Thr Cys Thr Gly Thr Cys
 145 150 155 160
 Cys Ala Gly Ala Thr Gly Thr Cys Thr Cys Thr Gly Cys Ala Gly Cys
 165 170 175
 Ala Cys Thr Cys Ala Cys Ala Gly Thr Ala Ala Thr Thr Gly Gly Cys
 180 185 190
 Cys Cys Ala Gly Gly Thr Gly Gly Ala Gly Thr Cys Thr Gly Gly Ala
 195 200 205
 Ala Thr Gly Thr Thr Cys Cys Ala Gly Gly Cys Thr Thr Gly Thr Thr
 210 215 220
 Gly Gly Ala Ala Gly Cys Thr Cys Thr Thr Gly Cys Thr Cys Thr Cys
 225 230 235 240
 Ala Thr Ala Gly Ala Ala Thr Cys Thr Gly Ala Gly Cys Thr Cys Thr
 245 250 255
 Ala Ala Cys Thr Gly Ala Gly Cys Thr Gly Gly Gly Ala Ala Ala Gly
 260 265 270
 Thr Thr Gly Ala Thr Cys Ala Thr Thr Thr Gly Thr Thr Thr Ala Thr
 275 280 285
 Thr Cys Cys Thr Thr Thr Thr Ala Gly Gly Gly Thr Ala Thr Thr Gly
 290 295 300
 Gly Gly Gly Gly Gly Gly Cys Ala Cys Gly Gly Ala Thr Gly Thr Ala
 305 310 315 320
 Thr Gly Cys Ala Thr Gly Cys Thr Gly Gly Thr Ala Thr Gly Thr Ala
 325 330 335
 Thr Gly Cys Ala Thr Gly Cys Thr Gly Gly Gly Gly Ala Thr Gly Thr
 340 345 350
 Ala Gly Gly Gly Cys Cys Thr Cys Ala Thr Gly Thr Gly Thr Gly Cys
 355 360 365
 Thr Ala Ala Ala Thr Ala Cys Ala Thr Gly Thr Gly Cys Cys Thr Ala
 370 375 380
 Thr Thr Cys Thr Gly Thr Ala Ala Thr Gly Thr Thr Thr Thr Cys Thr
 385 390 395 400
 Thr Gly Thr Thr Thr Gly Thr Thr Thr Thr Thr Ala Ala Cys Thr Cys
 405 410 415
 Ala Ala Ala Thr Thr Ala Ala Thr Thr Ala Gly Ala Gly Gly Cys Ala
 420 425 430
 Gly Thr Thr Thr Cys Thr Cys Thr Gly Thr Thr Thr Ala Cys Cys Ala
 435 440 445
 Gly Cys Cys Cys Gly Gly Cys Cys
 450 455

<211> 938

<212> PRT

<213> Mouse

<223> Promoter region of the mouse s-SHIP

<400> 5

Ala Ala Ala Thr Cys Ala Cys Cys Ala Cys Ala Cys Gly Gly Cys Cys

1 5 10 15

Ala Ala Thr Ala Cys Thr Cys Cys Cys Cys Cys Cys Cys Ala Ala Cys

20 25 30

Thr Cys Cys Thr Cys Cys Cys Ala Ala Ala Thr Cys Cys Cys Cys Thr

35 40 45

Cys Thr Ala Cys Cys Cys Ala Cys Thr Cys Ala Ala Ala Thr Thr Cys

50 55 60

Thr Thr Ala Thr Cys Thr Thr Gly Thr Ala Thr Thr Cys Thr Thr Thr

65 70 75 80

Ala Thr Cys Ala Thr Thr Ala Thr Thr Ala Thr Ala Cys Ala Thr Ala

85 90 95

Thr Gly Thr Gly Thr Ala Thr Ala Thr Ala Thr Gly Thr Gly Thr Gly

100 105 110

Thr Gly Thr Gly Thr Ala Thr Ala Thr Ala Thr Ala Thr Ala Thr Ala

115 120 125

Thr Ala Cys Thr Ala Thr Ala Thr Ala Cys Thr Gly Cys Thr Ala Ala

130 135 140

Thr Gly Ala Gly Thr Ala Ala Cys Ala Thr Thr Thr Ala Gly Thr Gly

145 150 155 160

Thr Thr Ala Thr Thr Cys Ala Thr Thr Gly Asn Thr Gly Cys Asn Thr

165 170 175

Gly Thr Thr Thr Asn Cys Ala Ala Thr Gly Asn Gly Cys Thr Thr Thr

180 185 190

Cys Cys Ala Gly Gly Asn Gly Gly Cys Thr Gly Gly Gly Gly Gly Gly

195 200 205

Ala Asn Gly Gly Cys Thr Cys Ala Gly Asn Gly Gly Gly Cys Ala Ala

210 215 220

Ala Ala Thr Thr Cys Thr Ala Gly Cys Thr Gly Cys Ala Cys Ala Ala

225 230 235 240

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Ala Cys	Ala Thr Ala Ala Ala	Thr Cys Ala Ala Gly Thr Gly Thr
2135	2140	2145
Thr Ala	Ala Ala Ala Gly Thr	Gly Cys Thr Thr Thr Gly Ala Thr
2150	2155	2160
Thr Ala	Ala Ala Cys Ala Gly	Gly Ala Cys Ala Gly Gly Cys Gly
2165	2170	2175
Cys Gly	Thr Thr Cys Thr Thr	Gly Ala Gly Thr Thr Cys Ala Thr
2180	2185	2190
Cys Thr	Gly Thr Thr Cys Ala	Cys Ala Thr Ala Cys Thr Gly Thr
2195	2200	2205
Cys Thr	Gly Gly Cys Ala Ala	Gly Cys Gly Cys Thr Gly Ala Cys
2210	2215	2220
Thr Gly	Ala Gly Gly Gly Thr	Cys Thr Cys Cys Thr Cys Thr Gly
2225	2230	2235
Thr Ala	Cys Cys Cys Thr Gly	Thr Thr Cys Thr Gly Ala Gly Ala
2240	2245	2250
Ala Cys	Thr Ala Ala Cys Ala	Ala Ala Ala Gly Ala Cys Gly Ala
2255	2260	2265
Ala Thr	Cys Ala Ala Cys Ala	Thr Ala Cys Ala Gly Ala Ala Ala
2270	2275	2280
Ala Cys	Thr Gly Thr Thr Ala	Thr Thr Thr Ala Gly Thr Gly Ala
2285	2290	2295
Cys Thr	Gly Ala Thr Thr Ala	Ala Ala Cys Thr Ala Ala Cys Gly
2300	2305	2310
Ala Ala	Gly Gly Cys Ala Thr	Gly Gly Gly Cys Thr Gly Gly Ala
2315	2320	2325
Gly Ala	Ala Ala Thr Ala Ala	Cys Thr Cys Ala Gly Cys Ala Gly
2330	2335	2340
Thr Thr	Ala Ala Gly Ala Ala	Cys Ala Thr Thr Thr Gly Cys Thr
2345	2350	2355
Gly Ala	Thr Cys Thr Thr Gly	Cys Ala Gly Ala Gly Gly Ala Cys
2360	2365	2370
Cys Thr	Gly Gly Gly Thr Thr	Gly Gly Gly Thr Thr Cys Cys Thr

2375	2380	2385
Ala Gly Cys	Ala Cys Ala Cys	Ala Cys Ala Gly Gly Gly Ala Cys
2390	2395	2400
Ala Gly Thr Thr Cys Cys Ala	Gly Thr Cys Cys Cys	Gly Gly Thr
2405	2410	2415
Gly Thr Gly Thr Cys Cys Thr	Thr Thr Thr Cys Thr	Cys Ala Cys
2420	2425	2430
Thr Thr Cys Thr Gly Thr Gly	Gly Ala Cys Ala Cys	Ala Ala Gly
2435	2440	2445
Thr Thr Thr Thr Ala Cys Ala	Cys Ala Thr Ala Gly	Thr Gly Cys
2450	2455	2460
Ala Cys Ala Cys Ala Cys Ala	Thr Ala Cys Ala Cys	Thr Cys Ala
2465	2470	2475
Cys Ala Thr Ala Thr Ala Thr	Ala Ala Ala Ala Cys	Ala Gly Ala
2480	2485	2490
Ala Cys Ala Thr Thr Thr Ala	Ala Ala Ala Gly Thr	Ala Thr Gly
2495	2500	2505
Thr Thr Thr Ala Ala Ala Thr	Ala Ala Cys Gly Gly	Ala Ala Thr
2510	2515	2520
Cys Ala Thr Thr Thr Ala Thr	Ala Thr Ala Gly Gly	Thr Thr Thr
2525	2530	2535
Thr Cys Ala Thr Thr Thr Ala	Cys Ala Thr Ala Gly	Gly Thr Ala
2540	2545	2550
Ala Ala Thr Ala Gly Gly Cys	Ala Ala Ala Ala Ala	Thr Cys Thr
2555	2560	2565
Gly Cys Ala Thr Thr Thr Thr	Ala Thr Thr Gly Thr	Thr Thr Cys
2570	2575	2580
Thr Ala Ala Gly Thr Thr Thr	Thr Ala Ala Thr Thr	Thr Ala Thr
2585	2590	2595
Thr Thr Thr Thr Cys Thr Cys	Thr Gly Thr Gly Thr	Gly Thr Ala
2600	2605	2610
Cys Ala Thr Ala Cys Gly Cys	Ala Thr Gly Cys Cys	Thr Cys Cys
2615	2620	2625
Thr Thr Ala Thr Cys Thr Gly	Thr Ala Thr Gly Thr	Gly Cys Gly
2630	2635	2640
Thr Gly Cys Ala Cys Thr Gly	Thr Gly Thr Gly Cys	Ala Thr Gly
2645	2650	2655
Cys Ala Thr Gly Ala Ala Cys	Cys Cys Ala Cys Ala	Gly Ala Gly
2660	2665	2670
Ala Cys Cys Ala Gly Ala Ala	Gly Ala Gly Thr Ala	Cys Cys Ala
2675	2680	2685
Cys Ala Gly Ala Thr Thr Cys	Thr Cys Thr Gly Gly	Ala Gly Cys
2690	2695	2700
Thr Gly Gly Ala Gly Thr Gly	Ala Thr Thr Gly Ala	Thr Ala Gly
2705	2710	2715
Gly Cys Thr Gly Thr Thr Gly	Gly Gly Ala Gly Cys	Cys Ala Cys
2720	2725	2730
Thr Cys Cys Ala Cys Ala Thr	Gly Gly Gly Gly Ala	Thr Thr Cys
2735	2740	2745
Ala Gly Ala Gly Thr Thr Gly	Ala Ala Cys Thr Thr	Cys Gly Thr

2750	2755	2760
Thr Cys	Thr Cys Thr Gly Cys	Ala Ala Gly Ala Ala Cys Ala Gly
2765	2770	2775
Cys Cys	Ala Gly Cys Thr Cys	Thr Thr Ala Ala Cys Thr Gly Ala
2780	2785	2790
Thr Gly	Gly Cys Thr Thr Thr	Thr Ala Cys Cys Thr Cys Cys Ala
2795	2800	2805
Gly Cys	Cys Ala Cys Cys Thr	Thr Thr Thr Cys Cys Thr Cys Ala
2810	2815	2820
Thr Thr	Thr Thr Thr Ala Ala	Ala Ala Thr Thr Thr Cys Cys Thr
2825	2830	2835
Thr Cys	Cys Thr Thr Cys Cys	Thr Thr Thr Thr Thr Gly Ala Gly
2840	2845	2850
Ala Cys	Ala Gly Gly Gly Thr	Cys Thr Cys Ala Ala Thr Ala Cys
2855	2860	2865
Thr Thr	Ala Gly Cys Thr Cys	Ala Thr Cys Cys Cys Ala Ala Cys
2870	2875	2880
Thr Thr	Gly Ala Cys Cys Cys	Cys Ala Cys Thr Cys Thr Thr Cys
2885	2890	2895
Thr Cys	Thr Thr Gly Cys Cys	Thr Thr Ala Gly Thr Cys Ala Cys
2900	2905	2910
Cys Ala	Cys Ala Ala Thr Gly	Thr Thr Thr Ala Gly Thr Thr Thr
2915	2920	2925
Ala Thr	Ala Ala Gly Cys Ala	Thr Gly Cys Gly Thr Cys Ala Cys
2930	2935	2940
Thr Ala	Thr Gly Cys Cys Cys	Gly Gly Cys Thr Thr Thr Ala Ala
2945	2950	2955
Ala Thr	Ala Ala Ala Cys Thr	Cys Ala Cys Cys Cys Ala Thr Ala
2960	2965	2970
Ala Thr	Cys Cys Cys Ala Gly	Cys Ala Cys Thr Gly Ala Ala Gly
2975	2980	2985
Thr Ala	Gly Ala Cys Ala Ala	Ala Ala Gly Gly Gly Ala Gly Gly
2990	2995	3000
Ala Thr	Cys Gly Ala Thr Gly	Gly Gly Gly Cys Thr Gly Ala Cys
3005	3010	3015
Thr Gly	Gly Cys Cys Ala Cys	Ala Ala Gly Cys Cys Gly Thr Gly
3020	3025	3030
Cys Thr	Thr Cys Ala Ala Gly	Thr Thr Cys Ala Ala Thr Gly Ala
3035	3040	3045
Ala Gly	Ala Cys Cys Cys Thr	Gly Thr Cys Thr Cys Ala Ala Gly
3050	3055	3060
Gly Gly	Ala Ala Thr Ala Ala	Gly Gly Cys Ala Cys Ala Gly Ala
3065	3070	3075
Gly Gly	Ala Thr Ala Gly Ala	Gly Cys Cys Ala Thr Ala Cys Gly
3080	3085	3090
Cys Cys	Thr Gly Ala Cys Cys	Thr Cys Cys Thr Cys Cys Thr Cys
3095	3100	3105
Thr Gly	Gly Cys Cys Thr Cys	Thr Ala Cys Cys Cys Ala Gly Gly
3110	3115	3120
Cys Ala	Cys Ala Thr Gly Thr	Gly Cys Ala Thr Ala Cys Ala Cys

3125	3130	3135
Ala Cys	Ala Cys Cys Ala Cys	Ala Cys Ala Cys Ala Cys Ala Cys
3140	3145	3150
Ala Cys	Ala Cys Ala Cys Ala Cys	Ala Cys Ala Cys Ala Cys Ala Cys
3155	3160	3165
Cys Ala	Cys Ala Cys Ala Cys	Ala Gly Ala Gly Ala Gly Ala Gly
3170	3175	3180
Ala Gly	Ala Gly Ala Gly Ala Gly	Ala Gly Ala Gly Ala Gly Ala Gly
3185	3190	3195
Gly Ala	Gly Ala Gly Ala Gly	Ala Gly Ala Gly Ala Gly Ala Gly
3200	3205	3210
Ala Gly	Ala Gly Ala Gly Ala Gly	Ala Ala Ala Cys Thr Thr Thr
3215	3220	3225
Thr Thr	Cys Cys Thr Cys Thr	Thr Thr Thr Thr Thr Thr Thr Thr
3230	3235	3240
Ala Ala	Ala Ala Ala Thr Ala	Thr Thr Ala Thr Thr Thr Ala Thr
3245	3250	3255
Thr Thr	Cys Ala Thr Gly Thr	Ala Thr Ala Thr Gly Ala Gly Thr
3260	3265	3270
Ala Cys	Ala Cys Thr Gly Thr	Thr Gly Cys Thr Gly Thr Cys Thr
3275	3280	3285
Thr Cys	Ala Gly Ala Cys Ala	Cys Cys Cys Cys Ala Ala Ala Ala
3290	3295	3300
Gly Ala	Ala Gly Gly Cys Ala	Thr Cys Ala Gly Ala Thr Cys Cys
3305	3310	3315
Cys Ala	Thr Thr Gly Ala Cys	Ala Ala Ala Thr Gly Gly Thr Thr
3320	3325	3330
Gly Thr	Gly Ala Gly Cys Cys	Ala Cys Cys Ala Thr Gly Thr Gly
3335	3340	3345
Gly Thr	Thr Gly Cys Thr Gly	Gly Gly Ala Ala Thr Thr Gly Ala
3350	3355	3360
Ala Cys	Thr Cys Ala Gly Gly	Ala Cys Cys Thr Cys Thr Gly Gly
3365	3370	3375
Ala Ala	Ala Ala Gly Cys Ala	Gly Thr Cys Ala Gly Thr Gly Cys
3380	3385	3390
Thr Cys	Thr Thr Ala Ala Cys	Cys Ala Thr Cys Thr Cys Thr Thr
3395	3400	3405
Cys Ala	Gly Cys Cys Cys Cys	Ala Cys Ala Ala Ala Gly Ala Ala
3410	3415	3420
Ala Cys	Thr Thr Thr Thr Ala	Ala Thr Gly Ala Gly Cys Ala Ala
3425	3430	3435
Ala Thr	Ala Ala Thr Thr Gly	Cys Thr Thr Cys Cys Ala Ala Gly
3440	3445	3450
Thr Ala	Ala Ala Thr Ala Cys	Thr Ala Cys Thr Ala Ala Thr Ala
3455	3460	3465
Thr Ala	Thr Thr Thr Cys Thr	Ala Ala Cys Cys Ala Thr Ala Cys
3470	3475	3480
Thr Ala	Thr Ala Cys Ala Ala	Gly Gly Ala Ala Thr Thr Ala Thr
3485	3490	3495
Thr Ala	Ala Ala Gly Ala Ala	Cys Gly Gly Ala Thr Ala Ala Thr

3500	3505	3510
Ala Gly Gly Ala Gly Ala Ala	Thr Ala Ala Ala Ala	Ala Ala Thr
3515	3520	3525
Thr Ala Thr Ala Ala Gly Thr	Cys Ala Cys Thr Thr	Thr Ala Thr
3530	3535	3540
Ala Ala Thr Gly Cys Thr Ala	Thr Cys Thr Ala Ala	Thr Cys Cys
3545	3550	3555
Ala Thr Cys Thr Ala Gly Ala	Ala Cys Ala Ala Ala	Ala Ala Cys
3560	3565	3570
Ala Cys Thr Gly Thr Ala Ala	Thr Ala Ala Thr Gly	Cys Ala Ala
3575	3580	3585
Ala Ala Gly Ala Gly Cys Gly	Cys Ala Gly Thr Gly	Cys Cys Thr
3590	3595	3600
Ala Gly Ala Thr Thr Ala Ala	Ala Thr Ala Ala Ala	Thr Ala Ala
3605	3610	3615
Ala Ala Thr Gly Cys Ala Gly	Ala Cys Cys Ala Ala	Thr Ala Ala
3620	3625	3630
Gly Thr Ala Ala Ala Cys Thr	Thr Thr Ala Thr Ala	Gly Cys Ala
3635	3640	3645
Gly Cys Ala Cys Ala Thr Gly	Gly Ala Ala Ala Thr	Gly Ala Cys
3650	3655	3660
Gly Ala Ala Ala Thr Thr Cys	Cys Thr Ala Ala Cys	Ala Ala Ala
3665	3670	3675
Ala Ala Gly Cys Thr Cys Ala	Ala Gly Ala Thr Gly	Gly Gly Cys
3680	3685	3690
Ala Gly Thr Thr Thr Ala Thr	Thr Thr Ala Ala Ala	Gly Thr Gly
3695	3700	3705
Ala Ala Ala Thr Ala Cys Ala	Gly Gly Ala Gly Ala	Ala Ala Thr
3710	3715	3720
Ala Ala Ala Gly Cys Ala Cys	Ala Gly Ala Ala Ala	Gly Ala Thr
3725	3730	3735
Ala Cys Thr Cys Ala Ala Ala	Gly Gly Cys Ala Thr	Ala Gly Ala
3740	3745	3750
Ala Gly Thr Thr Ala Ala Cys	Ala Thr Ala Gly Gly	Gly Gly Gly
3755	3760	3765
Gly Cys Thr Gly Gly Cys Gly	Ala Gly Ala Thr Gly	Gly Cys Thr
3770	3775	3780
Cys Thr Ala Cys Ala Gly Gly	Thr Ala Ala Gly Ala	Gly Cys Ala
3785	3790	3795
Cys Cys Cys Gly Ala Cys Thr	Gly Cys Thr Cys Thr	Thr Cys Cys
3800	3805	3810
Ala Ala Ala Gly Gly Thr Cys	Cys Thr Gly Ala Gly	Thr Thr Cys
3815	3820	3825
Ala Ala Ala Thr Cys Cys Cys	Ala Gly Cys Ala Ala	Cys Cys Ala
3830	3835	3840
Cys Ala Thr Gly Gly Thr Gly	Gly Cys Thr Cys Ala	Cys Ala Ala
3845	3850	3855
Cys Cys Ala Thr Cys Cys Gly	Thr Ala Ala Thr Gly	Ala Gly Ala
3860	3865	3870
Thr Thr Thr Gly Ala Cys Thr	Cys Cys Cys Thr Cys	Thr Thr Cys

3875	3880	3885
Thr Gly	Gly Thr Gly Thr Gly	Thr Cys Thr Gly Ala Ala Gly Ala
3890	3895	3900
Cys Ala	Gly Cys Thr Ala Cys	Ala Gly Thr Gly Thr Ala Cys Thr
3905	3910	3915
Thr Ala	Ala Cys Ala Thr Ala	Thr Ala Ala Thr Ala Ala Ala Thr
3920	3925	3930
Ala Ala	Ala Thr Ala Ala Ala	Ala Cys Thr Thr Thr Ala Ala Ala
3935	3940	3945
Ala Ala	Ala Ala Ala Ala Ala	Thr Thr Ala Ala Ala Gly Ala Ala
3950	3955	3960
Gly Thr	Thr Ala Ala Cys Ala	Thr Ala Gly Ala Ala Gly Cys Cys
3965	3970	3975
Cys Ala	Cys Thr Cys Ala Gly	Gly Ala Cys Cys Cys Cys Ala Cys
3980	3985	3990
Thr Cys	Ala Gly Thr Cys Cys	Thr Ala Gly Ala Gly Thr Ala Thr
3995	4000	4005
Gly Ala	Cys Ala Thr Thr Ala	Thr Thr Ala Thr Gly Gly Ala Cys
4010	4015	4020
Ala Thr	Thr Ala Ala Ala Ala	Ala Gly Ala Gly Ala Ala Ala Ala
4025	4030	4035
Thr Thr	Cys Ala Gly Cys Ala	Gly Thr Ala Gly Thr Gly Thr Gly
4040	4045	4050
Cys Ala	Thr Gly Cys Ala Cys	Thr Gly Cys Ala Thr Ala Thr Ala
4055	4060	4065
Thr Ala	Cys Ala Cys Ala Ala	Ala Thr Cys Cys Thr Thr Gly Ala
4070	4075	4080
Gly Thr	Thr Thr Cys Ala Thr	Ala Cys Cys Ala Ala Ala Thr Gly
4085	4090	4095
Cys Cys	Thr Thr Thr Ala Gly	Ala Cys Cys Ala Cys Thr Thr Gly
4100	4105	4110
Thr Gly	Gly Cys Thr Cys Thr	Gly Cys Ala Ala Ala Cys Cys Thr
4115	4120	4125
Gly Thr	Ala Ala Thr Cys Cys	Thr Ala Gly Cys Ala Cys Thr Thr
4130	4135	4140
Gly Thr	Gly Ala Ala Ala Ala	Gly Gly Thr Cys Ala Gly Cys Thr
4145	4150	4155
Cys Ala	Gly Gly Ala Ala Cys	Thr Thr Thr Gly Gly Gly Ala Ala
4160	4165	4170
Gly Gly	Thr Cys Ala Thr Gly	Ala Ala Ala Cys Thr Cys Thr Thr
4175	4180	4185
Gly Cys	Cys Cys Cys Thr Cys	Cys Ala Gly Ala Ala Gly Gly Gly
4190	4195	4200
Ala Gly	Ala Gly Gly Cys Thr	Ala Ala Thr Thr Ala Ala Cys Ala
4205	4210	4215
Thr Thr	Thr Cys Thr Cys Ala	Gly Ala Cys Cys Ala Cys Ala Gly
4220	4225	4230
Gly Gly	Cys Gly Gly Gly Ala	Ala Cys Cys Gly Ala Cys Cys Thr
4235	4240	4245
Gly Cys	Gly Gly Gly Thr Gly	Gly Gly Gly Ala Cys Ala Gly Ala

4250	4255	4260
Cys Thr Gly Thr Thr Gly Cys	Cys Cys Ala Thr Thr	Thr Cys Cys
4265	4270	4275
Ala Gly Ala Cys Thr Ala Gly	Gly Gly Ala Ala Gly	Thr Cys Cys
4280	4285	4290
Thr Thr Gly Thr Cys Ala Cys	Cys Thr Cys Ala Thr	Thr Cys Cys
4295	4300	4305
Cys Thr Ala Ala Ala Gly Ala	Cys Cys Ala Ala Thr	Cys Ala Ala
4310	4315	4320
Thr Thr Thr Ala Ala Ala Gly	Gly Gly Thr Gly Cys	Ala Cys Thr
4325	4330	4335
Gly Thr Thr Cys Cys Gly Cys	Cys Ala Ala Thr Cys	Ala Thr Ala
4340	4345	4350
Thr Thr Gly Thr Gly Cys Cys	Thr Ala Gly Thr Thr	Gly Cys Thr
4355	4360	4365
Gly Ala Thr Gly Cys Thr Cys	Thr Ala Thr Thr Cys	Thr Gly Cys
4370	4375	4380
Cys Cys Thr Thr Ala Gly Ala	Ala Ala Cys Cys Gly	Thr Ala Thr
4385	4390	4395
Ala Ala Ala Ala Ala Cys Thr	Ala Gly Cys Gly Ala	Ala Gly Gly
4400	4405	4410
Gly Gly Thr Ala Cys Cys Ala	Gly Gly Gly Gly Thr	Ala Ala Cys
4415	4420	4425
Cys Cys Cys Cys Thr Cys Thr	Cys Cys Thr Thr Cys	Ala Gly Gly
4430	4435	4440
Thr Cys Thr Gly Gly Gly Ala	Cys Ala Ala Thr Cys	Cys Cys Ala
4445	4450	4455
Cys Thr Ala Cys Ala Cys Thr	Gly Gly Ala Ala Cys	Ala Ala Thr
4460	4465	4470
Ala Ala Thr Thr Thr Cys Cys	Thr Cys Thr Gly Gly	Cys Thr Thr
4475	4480	4485
Thr Thr Thr Gly Cys Ala Thr	Thr Gly Ala Thr Cys	Ala Cys Ala
4490	4495	4500
Gly Cys Thr Cys Cys Ala Cys	Thr Thr Cys Gly Thr	Gly Gly Thr
4505	4510	4515
Ala Ala Gly Thr Thr Ala Ala	Gly Ala Cys Thr Cys	Cys Cys Thr
4520	4525	4530
Gly Gly Ala Gly Thr Cys Thr	Thr Ala Cys Ala Thr	Thr Gly Gly
4535	4540	4545
Cys Ala Ala Ala Thr Gly Cys	Ala Gly Gly Cys Ala	Ala Ala Ala
4550	4555	4560
Gly Ala Ala Thr Cys Cys Gly	Ala Ala Ala Cys Thr	Cys Ala Ala
4565	4570	4575
Gly Gly Thr Cys Ala Thr Cys	Thr Ala Ala Ala Ala	Cys Thr Ala
4580	4585	4590
Cys Ala Thr Ala Gly Cys Ala	Ala Gly Cys Ala Thr	Gly Cys Thr
4595	4600	4605
Gly Cys Thr Ala Gly Cys Cys	Thr Gly Gly Gly Cys	Thr Cys Cys
4610	4615	4620
Ala Thr Gly Ala Gly Ala Cys	Cys Cys Thr Gly Gly	Gly Gly Gly

4625	4630	4635
Ala Gly Gly Gly Gly Cys Ala	Gly Ala Gly Gly Gly	Ala Gly Ala
4640	4645	4650
Cys Cys Gly Thr Thr Cys Ala	Gly Ala Ala Gly Ala	Cys Ala Gly
4655	4660	4665
Thr Cys Ala Ala Gly Ala Thr	Gly Thr Thr Gly Cys	Ala Gly Cys
4670	4675	4680
Ala Gly Cys Ala Cys Ala Gly	Gly Cys Ala Gly Cys	Cys Thr Gly
4685	4690	4695
Gly Cys Cys Ala Cys Cys Ala	Gly Thr Gly Cys Thr	Gly Thr Cys
4700	4705	4710
Ala Cys Cys Ala Gly Ala Cys	Ala Thr Gly Thr Thr	Ala Ala Thr
4715	4720	4725
Gly Thr Thr Gly Gly Ala Ala	Thr Ala Ala Ala Gly	Cys Cys Thr
4730	4735	4740
Cys Ala Ala Thr Cys Ala Thr	Gly Ala Cys Thr Cys	Thr Cys Cys
4745	4750	4755
Cys Ala Gly Thr Thr Thr Thr	Ala Thr Ala Ala Thr	Thr Gly Gly
4760	4765	4770
Ala Ala Ala Thr Ala Ala Gly	Ala Ala Ala Gly Gly	Ala Ala Ala
4775	4780	4785
Gly Ala Cys Thr Ala Thr Ala	Gly Gly Ala Ala Cys	Ala Ala Cys
4790	4795	4800
Thr Gly Thr Gly Thr Thr Cys	Ala Gly Ala Ala Cys	Ala Cys Thr
4805	4810	4815
Ala Thr Thr Thr Ala Thr Ala	Ala Thr Ala Gly Cys	Ala Ala Ala
4820	4825	4830
Gly Ala Thr Cys Thr Cys Ala	Gly Ala Gly Thr Ala	Ala Cys Cys
4835	4840	4845
Cys Ala Ala Ala Cys Thr Thr	Cys Thr Ala Gly Ala	Cys Ala Thr
4850	4855	4860
Thr Gly Ala Thr Thr Thr Gly	Gly Gly Ala Ala Gly	Ala Thr Cys
4865	4870	4875
Thr Cys Thr Thr Gly Gly Cys	Ala Gly Cys Thr Thr	Ala Thr Thr
4880	4885	4890
Thr Thr Gly Ala Ala Ala Ala	Cys Thr Thr Thr Ala	Cys Ala Ala
4895	4900	4905
Thr Gly Thr Thr Ala Ala Ala	Thr Ala Thr Gly Thr	Ala Ala Ala
4910	4915	4920
Ala Ala Cys Ala Ala Gly Gly	Ala Cys Ala Gly Thr	Thr Thr Thr
4925	4930	4935
Gly Thr Thr Thr Thr Thr Thr	Gly Thr Thr Thr Thr	Gly Thr Thr
4940	4945	4950
Thr Thr Gly Thr Thr Thr Thr	Gly Thr Thr Thr Thr	Ala Gly Gly
4955	4960	4965
Gly Ala Thr Ala Thr Ala Thr	Ala Thr Thr Cys Ala	Thr Ala Thr
4970	4975	4980
Ala Thr Gly Thr Ala Thr Ala	Thr Gly Ala Ala Thr	Gly Ala Ala
4985	4990	4995
Ala Ala Cys Cys Cys Ala Ala	Ala Cys Thr Thr Ala	Ala Ala Ala

5000	5005	5010
Thr Thr Cys Cys Cys Cys Ala	Cys Thr Ala Thr Gly	Cys Thr Thr
5015	5020	5025
Thr Ala Ala Ala Gly Gly Cys	Thr Thr Thr Cys Thr	Gly Ala Cys
5030	5035	5040
Ala Ala Thr Ala Ala Cys Ala	Gly Ala Ala Ala Gly	Ala Gly Ala
5045	5050	5055
Ala Ala Thr Ala Gly Ala Gly	Ala Ala Thr Cys Cys	Ala Thr Ala
5060	5065	5070
Ala Ala Ala Ala Cys Thr Ala	Gly Thr Thr Cys Thr	Gly Ala Ala
5075	5080	5085
Ala Cys Thr Ala Thr Cys Ala	Ala Thr Ala Gly Gly	Cys Thr Thr
5090	5095	5100
Gly Ala Cys Ala Cys Thr Cys	Thr Thr Thr Ala Gly	Cys Thr Gly
5105	5110	5115
Cys Cys Ala Gly Gly Ala Gly	Ala Gly Cys Thr Gly	Ala Ala Thr
5120	5125	5130
Cys Thr Gly Ala Ala Cys Ala	Cys Ala Gly Gly Gly	Ala Ala Cys
5135	5140	5145
Cys Cys Cys Ala Cys Cys Cys	Ala Gly Cys Ala Cys	Cys Cys Cys
5150	5155	5160
Ala Ala Ala Thr Thr Thr Gly	Gly Ala Thr Thr Ala	Thr Thr Gly
5165	5170	5175
Thr Thr Thr Thr Ala Thr Thr	Thr Thr Ala Thr Cys	Thr Thr Thr
5180	5185	5190
Cys Cys Cys Cys Thr Ala Cys	Cys Cys Cys Cys Ala	Ala Gly Ala
5195	5200	5205
Cys Ala Gly Gly Gly Thr Thr	Thr Cys Thr Cys Thr	Gly Cys Gly
5210	5215	5220
Thr Gly Gly Thr Cys Cys Thr	Gly Gly Cys Thr Gly	Thr Cys Cys
5225	5230	5235
Thr Gly Gly Ala Ala Cys Thr	Cys Gly Gly Ala Gly	Ala Thr Cys
5240	5245	5250
Cys Thr Cys Thr Gly Cys Cys	Thr Cys Thr Cys Thr	Gly Cys Cys
5255	5260	5265
Thr Cys Thr Cys Thr Gly Cys	Cys Thr Cys Thr Cys	Thr Cys Thr
5270	5275	5280
Cys Thr Cys Thr Cys Thr Gly	Cys Cys Thr Cys Thr	Cys Thr Cys
5285	5290	5295
Thr Gly Cys Cys Thr Cys Thr	Cys Thr Cys Thr Cys	Thr Cys Thr
5300	5305	5310
Cys Thr Cys Thr Cys Thr Cys	Thr Gly Cys Cys Thr	Cys Thr Cys
5315	5320	5325
Thr Cys Thr Cys Thr Cys Thr	Cys Thr Cys Thr Gly	Cys Cys Cys
5330	5335	5340
Cys Thr Cys Gly Cys Thr Gly	Cys Cys Thr Cys Thr	Cys Thr Cys
5345	5350	5355
Thr Gly Cys Cys Thr Cys Thr	Cys Thr Cys Thr Gly	Cys Cys Cys
5360	5365	5370
Cys Thr Cys Thr Cys Thr Gly	Cys Cys Cys Cys Thr	Cys Thr Cys

5375	5380	5385
Thr Gly Cys Cys Cys Cys Thr	Cys Thr Cys Thr Cys	Thr Thr Cys
5390	5395	5400
Cys Cys Cys Thr Cys Thr Cys	Thr Gly Cys Cys Thr	Cys Thr Cys
5405	5410	5415
Thr Cys Thr Cys Thr Gly Cys	Cys Cys Cys Thr Cys	Thr Cys Thr
5420	5425	5430
Gly Cys Cys Thr Cys Thr Cys	Thr Gly Cys Cys Thr	Cys Thr Gly
5435	5440	5445
Cys Cys Thr Cys Cys Thr Gly	Ala Gly Thr Gly Cys	Thr Gly Gly
5450	5455	5460
Gly Ala Thr Thr Thr Ala Ala	Ala Gly Gly Cys Ala	Thr Cys Ala
5465	5470	5475
Gly Cys Cys Ala Thr Cys Ala	Cys Thr Thr Cys Cys	Ala Gly Cys
5480	5485	5490
Thr Thr Cys Cys Thr Thr Thr	Ala Thr Cys Ala Thr	Thr Thr Thr
5495	5500	5505
Ala Ala Ala Ala Ala Gly Ala	Ala Thr Thr Thr Cys	Cys Thr Ala
5510	5515	5520
Thr Gly Thr Gly Ala Cys Thr	Ala Cys Thr Gly Thr	Ala Thr Thr
5525	5530	5535
Thr Ala Ala Ala Thr Cys Ala	Cys Cys Ala Cys Ala	Cys Gly Gly
5540	5545	5550
Cys Cys Ala Ala Thr Ala Cys	Thr Cys Cys Cys Cys	Cys Cys Cys
5555	5560	5565
Ala Ala Cys Thr Cys Cys Thr	Cys Cys Cys Ala Ala	Ala Thr Cys
5570	5575	5580
Cys Cys Cys Thr Cys Thr Ala	Cys Cys Cys Ala Cys	Thr Cys Ala
5585	5590	5595
Ala Ala Thr Thr Cys Thr Thr	Ala Thr Cys Thr Thr	Gly Thr Ala
5600	5605	5610
Thr Thr Cys Thr Thr Thr Ala	Thr Cys Ala Thr Thr	Ala Thr Thr
5615	5620	5625
Ala Thr Ala Cys Ala Thr Ala	Thr Gly Thr Gly Thr	Ala Thr Ala
5630	5635	5640
Thr Ala Thr Gly Thr Gly Thr	Gly Thr Gly Thr Gly	Thr Ala Thr
5645	5650	5655
Ala Thr Ala Thr Ala Thr Ala	Thr Ala Thr Ala Cys	Thr Ala Thr
5660	5665	5670
Ala Thr Ala Cys Thr Gly Cys	Thr Ala Ala Thr Gly	Ala Gly Thr
5675	5680	5685
Ala Ala Cys Ala Thr Thr Thr	Ala Gly Thr Gly Thr	Thr Ala Thr
5690	5695	5700
Thr Cys Ala Thr Thr Gly Thr	Thr Gly Cys Ala Thr	Gly Thr Thr
5705	5710	5715
Thr Thr Cys Ala Ala Thr Gly	Thr Gly Cys Thr Thr	Thr Cys Cys
5720	5725	5730
Ala Gly Gly Ala Gly Gly Cys	Thr Gly Gly Gly Gly	Gly Gly Ala
5735	5740	5745
Thr Gly Gly Cys Thr Cys Ala	Gly Thr Gly Gly Gly	Cys Ala Ala

5750	5755	5760
Ala Ala Thr Thr Cys Thr Ala Gly Cys Thr Gly Cys Ala Cys Ala		
5765	5770	5775
Ala Gly Cys Cys Thr Ala Ala Gly Gly Ala Cys Cys Ala Gly Gly		
5780	5785	5790
Gly Thr Thr Cys Ala Gly Ala Thr Cys Cys Cys Cys Ala Ala Thr		
5795	5800	5805
Ala Thr Ala Ala Ala Gly Gly Cys Thr Gly Gly Cys Thr Gly Gly		
5810	5815	5820
Ala Cys Ala Thr Gly Gly Thr Gly Gly Cys Thr Thr Gly Cys Cys		
5825	5830	5835
Thr Ala Thr Gly Ala Thr Ala Cys Thr Ala Gly Cys Ala Thr Gly		
5840	5845	5850
Cys Thr Thr Gly Cys Thr Gly Gly Ala Ala Gly Cys Ala Ala Ala		
5855	5860	5865
Gly Ala Cys Ala Gly Gly Gly Ala Ala Thr Cys Cys Cys Thr Gly		
5870	5875	5880
Gly Ala Gly Ala Cys Thr Thr Ala Gly Ala Ala Thr Cys Thr Cys		
5885	5890	5895
Ala Gly Ala Ala Gly Thr Gly Ala Thr Cys Thr Gly Gly Gly Cys		
5900	5905	5910
Thr Gly Gly Ala Cys Ala Gly Ala Cys Thr Ala Gly Cys Thr Gly		
5915	5920	5925
Ala Ala Cys Thr Gly Gly Cys Cys Ala Gly Cys Thr Cys Thr Gly		
5930	5935	5940
Gly Gly Thr Thr Cys Ala Thr Cys Ala Ala Gly Ala Ala Ala Cys		
5945	5950	5955
Cys Cys Thr Ala Cys Cys Thr Cys Cys Ala Thr Ala Ala Cys Ala		
5960	5965	5970
Thr Ala Ala Ala Gly Thr Gly Thr Gly Ala Thr Gly Gly Ala Gly		
5975	5980	5985
Ala Ala Ala Gly Gly Cys Ala Cys Cys Thr Ala Ala Thr Gly Thr		
5990	5995	6000
Cys Ala Ala Cys Cys Thr Cys Ala Ala Ala Cys Cys Cys Cys Thr		
6005	6010	6015
Ala Cys Cys Thr Gly Cys Ala Thr Gly Thr Gly Cys Ala Cys Ala		
6020	6025	6030
Cys Ala Cys Ala Thr Ala Cys Ala Thr Cys Cys Ala Cys Ala Cys		
6035	6040	6045
Cys Ala Cys Ala Cys Ala Cys Ala Cys Ala Cys Ala Cys Ala Cys		
6050	6055	6060
Ala Cys Ala Cys Ala Cys Ala Cys Ala Cys Ala Cys Ala Cys Ala		
6065	6070	6075
Cys Cys Ala Cys Ala Cys Ala Cys Ala Cys Ala Cys Ala Cys Ala		
6080	6085	6090
Cys Ala Cys Ala Ala Ala Thr Ala Ala Ala Thr Ala Ala Gly Thr		
6095	6100	6105
Ala Ala Ala Thr Ala Ala Ala Thr Ala Ala Ala Thr Ala Thr		
6110	6115	6120
Thr Thr Ala Gly Cys Thr Cys Thr Cys Cys Ala Gly Ala Cys Cys		

6125	6130	6135
Ala Ala	Ala Thr Cys Thr Thr	Gly Gly Thr Gly Ala Ala Ala Cys
6140	6145	6150
Cys Cys	Ala Thr Gly Cys Ala	Thr Thr Thr Gly Cys Ala Thr Thr
6155	6160	6165
Thr Gly	Thr Gly Thr Gly Thr	Gly Thr Cys Cys Thr Ala Cys Ala
6170	6175	6180
Ala Ala	Cys Ala Cys Thr Gly	Ala Ala Gly Gly Thr Thr Ala Ala
6185	6190	6195
Gly Ala	Ala Gly Cys Ala Thr	Gly Cys Thr Cys Cys Thr Thr Ala
6200	6205	6210
Gly Thr	Ala Ala Thr Thr Thr	Thr Ala Thr Ala Gly Cys Ala Gly
6215	6220	6225
Thr Thr	Thr Gly Cys Gly Thr	Thr Thr Cys Cys Ala Gly Ala Thr
6230	6235	6240
Thr Gly	Ala Ala Ala Ala Cys	Ala Gly Ala Thr Thr Cys Thr Ala
6245	6250	6255
Thr Ala	Gly Gly Cys Thr Ala	Cys Ala Cys Ala Gly Thr Gly Cys
6260	6265	6270
Thr Ala	Ala Ala Thr Gly Gly	Ala Thr Thr Ala Thr Gly Cys Thr
6275	6280	6285
Cys Ala	Gly Ala Thr Ala Cys	Ala Gly Ala Thr Thr Gly Ala Ala
6290	6295	6300
Ala Ala	Gly Gly Ala Thr Ala	Cys Ala Gly Ala Thr Thr Gly Ala
6305	6310	6315
Ala Ala	Ala Gly Gly Gly Thr	Cys Gly Gly Gly Gly Thr Cys Thr
6320	6325	6330
Gly Gly	Gly Cys Cys Ala Gly	Gly Ala Thr Gly Ala Cys Gly Gly
6335	6340	6345
Gly Cys	Cys Ala Ala Cys Thr	Ala Thr Cys Thr Thr Thr Gly Cys
6350	6355	6360
Cys Cys	Gly Gly Gly Cys Thr	Thr Gly Thr Cys Cys Thr Thr Cys
6365	6370	6375
Ala Gly	Gly Gly Ala Ala Gly	Gly Gly Thr Thr Ala Cys Ala Gly
6380	6385	6390
Gly Ala	Thr Thr Cys Ala Cys	Cys Ala Cys Thr Gly Gly Gly Gly
6395	6400	6405
Thr Gly	Thr Gly Gly Cys Cys	Thr Ala Thr Cys Thr Gly Cys Thr
6410	6415	6420
Gly Thr	Thr Ala Gly Gly Ala	Cys Cys Thr Gly Ala Ala Thr Thr
6425	6430	6435
Gly Cys	Cys Thr Gly Gly Ala	Gly Thr Gly Thr Thr Thr Cys Thr
6440	6445	6450
Ala Gly	Thr Thr Cys Cys Cys	Ala Cys Thr Ala Gly Thr Thr Gly
6455	6460	6465
Thr Thr	Gly Ala Ala Cys Thr	Thr Thr Ala Cys Cys Thr Thr Gly
6470	6475	6480
Ala Ala	Cys Cys Thr Cys Thr	Gly Cys Thr Cys Cys Cys Ala Gly
6485	6490	6495

<211> 361

<212> PRT

<213> Human

<223> Promoter region of human s-SHIP.

<400> 9

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Thr Ala Gly Ala Gly Thr Gly Cys Ala Gly Thr Thr Thr Gly Gly Cys

20 25 30

Thr Ala Ala Ala Gly Cys Ala Ala Ala Ala Cys Cys Thr Ala Gly Gly

35 40 45

Thr Ala Cys Ala Gly Thr Cys Ala Gly Gly Gly Ala Cys Thr Ala Cys

50 55 60

Ala Cys Ala Ala Thr Thr Cys Cys Ala Gly Thr Thr Cys Gly Cys Thr

65 70 75 80

Gly Thr Gly Gly Gly Thr Thr Gly Gly Gly Ala Ala Gly Gly Gly Ala

85 90 95

Thr Gly Gly Gly Thr Gly Gly Gly Cys Cys Ala Gly Thr Gly Cys Thr

100 105 110

Gly Gly Cys Ala Ala Gly Cys Cys Thr Thr Gly Ala Thr Cys Thr Thr

115 120 125

Thr Gly Cys Cys Cys Gly Gly Gly Cys Thr Thr Gly Thr Cys Cys Thr

130 135 140

Thr Cys Thr Gly Gly Gly Gly Ala Gly Ala Ala Thr Thr Ala Cys Cys

145 150 155 160

Thr Gly Cys Thr Thr Cys Thr Gly Cys Thr Gly Gly Ala Cys Thr Gly

165 170 175

Ala Gly Gly Gly Thr Gly Cys Cys Cys Thr Cys Ala Thr Cys Thr Cys

180 185 190

Thr Gly Gly Cys Thr Ala Gly Ala Gly Cys Cys Cys Gly Thr Gly Cys

195 200 205

Thr Gly Cys Cys Ala Thr Gly Gly Ala Ala Gly Ala Cys Thr Cys Thr

210 215 220

Thr Thr Cys Cys Gly Gly Thr Gly Cys Cys Cys Ala Cys Thr Ala Ala

225 230 235 240

Ala Thr Cys Cys Thr Thr Gly Ala Thr Gly Thr Thr Cys Ala Cys Cys

245 250 255

Thr Thr Gly Thr Cys Cys Cys Cys Thr Gly Cys Cys Cys Cys Ala

260 265 270

Gly Ala Gly Ala Ala Gly Thr Cys Ala Thr Cys Cys Gly Gly Ala Cys

275 280 285

Cys Cys Thr Cys Cys Cys Ala Thr Cys Cys Cys Thr Gly Gly Ala Gly

290 295 300

Thr Cys Thr Cys Thr Gly Cys Ala Gly Ala Gly Gly Thr Thr Ala Thr

305 310 315 320

Thr Thr Gly Ala Cys Cys Ala Gly Cys Ala Gly Cys Thr Cys Thr Cys

325 330 335

Cys Cys Gly Gly Gly Cys Cys Thr Cys Cys Gly Thr Cys Cys Ala

340 345 350

Cys Gly Thr Cys Cys Thr Cys Ala Gly

355 360
 <210> 10
 <211> 279
 <212> PRT
 <213> Human
 <223> Promoter region of human s-SHIP.
 <400> 10
 Gly Thr Ala Ala Thr Gly Gly Cys Thr Gly Gly Cys Cys Cys Ala Cys
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 20 25 30
 Gly Gly Gly Cys Gly Gly Cys Cys Ala Cys Cys Ala Gly Gly Thr Gly
 35 40 45
 Ala Gly Ala Gly Ala Ala Ala Cys Ala Gly Cys Thr Cys Ala Thr Gly
 50 55 60
 Ala Gly Ala Gly Cys Gly Ala Cys Cys Thr Cys Thr Gly Cys Cys Thr
 65 70 75 80
 Cys Thr Gly Cys Cys Thr Gly Gly Cys Thr Gly Ala Ala Cys Ala Ala
 85 90 95
 Ala Thr Gly Cys Cys Thr Cys Thr Gly Cys Cys Gly Cys Ala Cys Thr
 100 105 110
 Cys Ala Cys Ala Ala Thr Ala Ala Thr Thr Gly Ala Gly Thr Gly Gly
 115 120 125
 Thr Gly Ala Gly Cys Ala Cys Ala Gly Cys Thr Thr Gly Gly Ala Ala
 130 135 140
 Ala Thr Cys Thr Cys Thr Gly Thr Gly Gly Thr Thr Gly Thr Thr Thr
 145 150 155 160
 Gly Gly Ala Gly Gly Thr Cys Thr Thr Gly Thr Thr Ala Thr Cys Ala
 165 170 175
 Thr Gly Gly Ala Ala Thr Thr Thr Gly Ala Ala Cys Ala Gly Thr Ala
 180 185 190
 Gly Cys Thr Thr Gly Thr Gly Thr Gly Thr Gly Cys Thr Gly Cys Ala
 195 200 205
 Gly Cys Thr Thr Thr Thr Thr Ala Cys Ala Ala Cys Thr Ala Ala Ala
 210 215 220
 Gly Thr Thr Ala Ala Thr Thr Gly Gly Ala Gly Gly Cys Cys Ala Gly
 225 230 235 240
 Thr Thr Gly Cys Thr Cys Thr Gly Gly Gly Ala Ala Gly Cys Gly Gly
 245 250 255
 Ala Thr Gly Gly Gly Gly Thr Gly Gly Gly Ala Gly Gly Ala Cys Ala
 260 265 270
 Thr Gly Gly Cys Cys Ala Gly
 275